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MBTA GREEN LINE TESTS  
RIVERSIDE LINE  
DECEMBER 1972

VOLUME V  
GAGE COMPUTER PRINTOUT

George W. Neat, Editor



OCTOBER 1973  
FINAL REPORT

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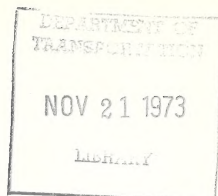
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<p>16. Abstract</p> <p>The UMTA sponsored Urban Rail Supporting Technology Program emphasizes three major task areas; facilities development, technology development, and test program development. The test program development is composed of three sub-areas; vehicle testing, ways and structures testing, and track geometry measurement. This report, in five volumes, presents the technical methodology, data samples, and results of tests conducted on the Massachusetts Bay Transit Authority (MBTA) Green Line in December, 1972 prior to initiation of the Green Line refurbishment effort.</p> <p>An instrumented revenue type car was used for the measurement of track geometry, ride roughness, and interior noise. Actual car speed was approximately the same as normal revenue speed. The objectives of the tests were to identify critical track sections for improvement to quantify the benefits produced by the track rehabilitation program, and to provide data for TSC's development of an advanced track geometry measurement system.</p> <p>Volume V presents the gage computer printout for the complete length of track.</p>					
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## VOLUME V GAGE COMPUTER PRINTOUT

This volume contains the complete gage data computer print-out for the MBTA Green Line (Riverside Line) tests run in December, 1972. Examples of this data were presented in Volume I of this report.

A map of the Green Line is shown in Figure 1, and the station distances are given in Figure 2.

As an aid to the reader, the Summary Sheet and Test and Data Sections of Volume I, Appendix C, are reprinted here.

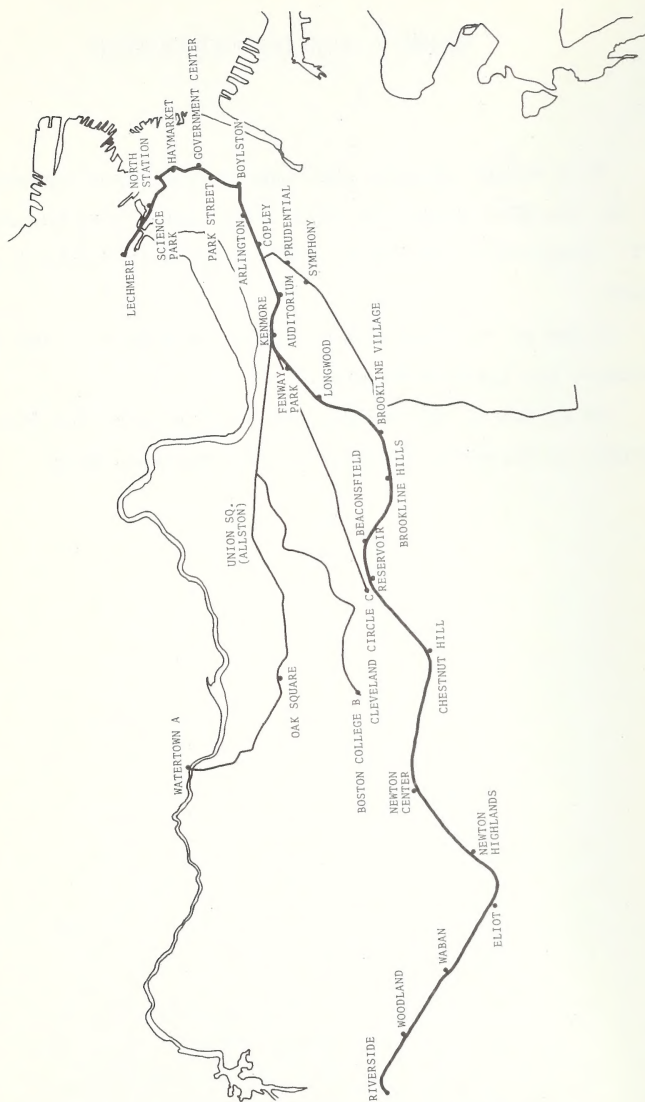


Figure 1 Map of MBTA Green Line

<u>Station</u>	<u>Distance From Last Station</u>	<u>Cumulative Distance</u>
Riverside	0	0
Woodland	2700	2700
Waban	4400	7100
Eliot	4600	11,700
Newton Highlands	4000	15,700
Newton Center	4300	20,000
Chestnut Hill	7700	27,700
Reservoir	5500	33,200
Beaconsfield	2300	35,500
Brookline Hills	4100	39,600
Brookline Village	2800	42,400
Longwood	3900	46,300
Fenway Park	2100	48,400
Kenmore	2900	51,300
Auditorium	2200	53,500
Copley	2600	56,100
Arlington	2000	58,100
Boylston	2100	60,200
Park Street	1200	61,400
Government Center	1500	62,900
Haymarket	1100	64,000
North Station	1800	65,800
Science Park	2100	67,900
Lechmere	3100	71,000

Figure 2 Station Distances



MBTA Green Line Tests, Riverside Branch

December, 1972

SEQUENCE NO. 12-72-602

PROCEDURE NO. PCC-TGC-6008-MBTA

OBJECTIVE:

To measure track gage on the Riverside Branch of the Green Line, prior to initiation of track rehabilitation. These data will help establish which sections of track most severely require rework. It will also be used to classify track according to gage specifications in the IRT Safety Guidelines for Urban Rapid Transit Systems. These results will subsequently be compared with data collected after rehabilitation.

STATUS:

Gage data has been collected and processed for the Riverside Branch Track. The twenty-six-plus miles of track is presented in forty six sections of data in the form of gage computer printout summaries.

Manual measurement of the gage to verify the automatically measured gage has revealed that the gage changes significantly in some places due to the vehicle loading. Further measurements may be made to provide improved understanding of the dynamic effects of vehicle loading on the gage data.





### Test Description

In this test series, track gage is measured continuously using capacitive proximity detectors. The probes are located alongside the rails, one along each rail. The electronic circuit associated with each probe outputs a voltage proportional to the distance between the probe and the rail. By adding the two voltages, a sum voltage is obtained that is proportional to the difference between actual track gage and some known value of distance. The gage measuring system on this test put out zero volts for a track gage of 57 1/4 inches. This number is reached by measuring the distance between probe faces, 55 7/8 inches, and then adjusting the probe electronics so that an adequate displacement range is covered when the probes are mounted in the shadow of the wheel flange. Thus, each probe electronic system was set to operate at a sensitivity of 10 volts/inch and to put out zero volts when the probe face was 11/16 inch from the rail gage point.

### Data

The gage data was recorded on analog tape in the form of capacitance probe circuit outputs, similar to the profile data. This analog data is presented in Volume II. The statistical print-out for the gage data is presented in the tabulated computer outputs on pages A, B and C of Figure groups in this volume. The levels used for these outputs are summarized below along with the corresponding IRT track classification:

# Institute for Rapid Transit

<u>Zone</u>	<u>Gage G</u>	<u>Track Classification</u>	
6	$G \geq 57 \frac{3}{4}$ in	Unclassified	
4	$57 \frac{1}{4}$ in $\leq$	$G < 57 \frac{3}{4}$ in	Class 1 or 2
2	$.57$ in $\leq$	$G < 57 \frac{1}{4}$ in	Class 3
0	$56 \frac{1}{4}$ in $<$	$G < 57$ in	Class 4
1	$56$ $<$	$G \leq 56 \frac{1}{4}$ in	Class 4
3		$G \leq 56$ in	Unclassified

Page C of the figure provides a quick indication of the track classification relative to the IRT requirements for gage. Page B gives the location and magnitude of occurrences in Zones 1, 3, 4 and 6. Page A shows the location that the gage changes from one zone to another.

The page C gage printouts for all 46 sections are summarized in Figure 3. The IRT class of each section is given based on a literal interpretation of the data. The section of track from Waban Station to Eliot Station in Class 3. Twenty-two sections are Class 2. The remaining 23 sections are below standard because of one or more places where the gage exceeds  $57 \frac{3}{4}$  inches or is less than 56 inches. However, of these sections, eleven have only one recorded defect. Many of the recorded defects occur in a region where extraneous metal such as guard rails may be affecting the recorded signal. A visual check of the track at these points is required to provide the final conclusion. The percentage of

trackage that satisfies gage requirements provides a better measure of track quality. The percentage of the track in each section that meets the gage requirements for IRT Classes 2, 3 and 4 is also shown in Figure 3.

Track Section	IRT Class	Percentage of Track Meeting Gage Requirements		
		4	IRT Class 3	2
1. Riverside to Woodland	-	99.92	99.98	99.98
2. Woodland to Waban	-	99.13	99.99	99.99
3. Waban to Eliot	3	99.36	100	
4. Eliot to Newton Highlands	2	94.94	99.95	100
5. Newton Highlands to Newton Ctr.	2	95.24	99.60	100
6. Newton Center to Chestnut Hill	2	92.47	99.57	100
7. Chestnut Hill to Reservoir	-	92.20	98.76	99.94
8. Reservoir to Beaconsfield	2	78.53	95.37	100
9. Beaconsfield to Brookline Hills	2	92.53	99.26	100
10. Brookline Hills to Brookline Vil.	2	94.37	99.52	100
11. Brookline Vil. to Longwood	2	95.98	99.73	100
12. Longwood to Fenway	2	95.92	99.51	100
13. Fenway to Kenmore	-	92.24	97.18	99.99
14. Kenmore to Auditorium	-	75.30	89.75	99.98
15. Auditorium to Copley	-	91.31	99.40	99.97

Figure 3 Green Line Track Gage Summary

	Track Section	IRT Class	Percentage of Track Meeting Gage Requirements		
			4	3	2
16.	Copley to Arlington	-	99.26	99.96	99.99
17.	Arlington to Boylston	-	93.48	99.31	99.96
18.	Boylston to Park St.	-	83.46	99.07	99.93
19.	Park St to Govt. Ctr.	2	85.62	98.46	100
20.	Govt. Ctr. to Haymarket	2	97.64	99.71	100
21.	Haymarket to No. Station	-	93.21	99.65	99.94
22.	No. Station to Science Park	-	92.27	99.48	99.75
23.	Science Park to Lechmere	-	95.06	99.95	99.98
24.	Lechmere to Science Park	-	56.67	82.95	99.26
25.	Science Park to No. Station	-	61.68	85.67	99.92
26.	No. Station to Haymarket	-	59.21	82.66	97.34
27.	Haymarket to Govt. Ctr.	-	52.39	78.69	99.94
28.	Govt. Ctr. to Park St.	-	48.54	78.37	99.85
29.	Park St. to Boylston	-	67.47	89.27	99.68
30.	Boylston to Arlington	-	79.83	96.15	99.82

Figure 3 Green Line Track Gage Summary (cont'd)

Track Section	IRT Class	Percentage of Track Meeting Gage Requirements		
		4	3	2
31. Arlington to Copley	2	92.08	99.4	100
32. Copley to Auditorium	2	91.67	97.48	100
33. Auditorium to Kenmore	-	81.94	94.02	99.86
34. Kenmore to Fenway	-	98.88	99.74	99.25
35. Fenway to Longwood	-	98.49	99.90	99.99
36. Longwood to Brookline Vil.	2	93.00	98.92	100
37. Brookline Vil. to Brookline Hills	2	88.70	98.32	100
38. Brookline Hills to Beaconsfield	2	88.12	98.06	100
39. Beaconsfield to Reservoir	2	94.70	99.95	100
40. Reservoir to Chestnut Hill	2	92.07	98.52	100
41. Chestnut Hill to Newton Ctr.	2	94.19	99.20	100
42. Newton Ctr. to Newton Highlands	2	97.75	99.94	100
43. Newton Highlands to Eliot	2	95.78	99.83	100
44. Eliot to Waban	2	99.49	99.98	100
45. Waban to Woodland	2	99.42	99.98	100
46. Woodland to Riverside	-	82.87	83.07	93.82

Figure 3 Green Line Track Gage Summary (cont'd)



FROM - RIVERSIDE  
TO - WOODLAND  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
369.5	0	374.0	1	449.0	0	451.0	1	1120.5	0
1129.0	1	1142.5	0	1144.0	1	1486.5	0	1498.5	1
1510.5	0	1511.0	1	1512.0	0	1512.5	1	1562.0	0
1563.0	1	1580.0	0	1583.5	1	2037.0	0	2037.5	2
2039.0	0	2040.0	2	2265.0	0	2265.5	2	2640.0	0
2645.5	1	2646.0	0	2646.0	1	2650.5	0	2651.5	1
2725.0	0	2731.0	1	2751.0	0	2751.5	6		

Figure 4 Riverside to Woodland Data

FROM - RIVERSIDE  
TO - WOODLAND  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
374.0	1	56.217	451.0	1	56.233	1129.0	1	56.249
1144.0	1	56.245	1498.5	1	56.223	1511.0	1	56.257
1512.5	1	56.247	1563.0	1	56.241	1583.5	1	56.188
2645.5	1	56.249	2648.0	1	56.244	2651.5	1	56.247
2731.0	1	56.228	2751.5	6	56.040			

Figure 4 Riverside to Woodland Data (cont'd)

FROM - RIVERSIDE  
TO - WOODLAND  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.02	1	0.5
4	57.75	57.25	0.00	0	0.0
2	57.25	57.00	0.07	3	2.0
0	57.00	56.25	99.07	17	2972.0
1	56.25	56.00	0.85	13	25.5
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.98
0+1+2	3	56.00	57.25	99.98
0+1	4	56.00	57.00	99.97
6+3	BELOW STRIPP	56.00	57.75	0.00

Figure 4 Riverside to Woodland Data (cont'd)



FROM - WOODLAND  
TO - WABAN  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
593.0	0	603.0	1	605.0	0	605.5	1	679.0	0
686.5	1	705.5	0	706.0	5	1045.0	0	1047.5	1
2093.0	0	2099.0	1	2895.5	0	2886.0	1	2904.0	0
2395.5	1	3655.0	0	3680.0	1	3788.5	0	3793.0	1
4001.0	0	4039.0	2	527.5	0	5280.5	2	529.5	0
5296.0	2	5297.5	0	5305.0	2	5328.0	0	5336.5	1
5338.0	0	5339.0	2						

Figure 5 Woodland to Waban Data

FROM - WOODLAND  
TO - URBAN  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
603.0	1	56.239	606.5	1	56.243	686.5	1	56.220
706.0	6	57.753	1047.5	1	56.235	2099.0	1	56.221
2096.0	1	56.245	2995.5	1	56.239	3660.0	1	56.224
3792.0	1	56.230						

Figure 5 Woodland to Waban Data (cont'd)



FROM - WOODLAND  
TO - WABAN  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.01	1	0.5
4	57.75	57.25	0.00	0	0.0
2	57.25	57.00	0.86	6	46.5
0	57.00	56.25	98.56	16	5322.0
1	56.25	56.00	0.57	9	31.0
3	56.00	-59.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.99
0+1+2	3	56.00	57.25	99.99
0+1	4	56.00	57.00	99.13
6+3	BELOW STRIPPED	56.00	57.75	0.01

Figure 5 Woodland to Waban Data (cont'd)



FROM - WABAN  
TO - ELIOT  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
840.5	0	841.0	2	854.5	0	855.5	2	858.5	0
863.5	2	888.5	0	897.5	2	1390.0	0	1397.0	2
2557.0	0	2557.5	2	3003.5	0	3007.5	2	3212.5	0
3000.5	2	3945.0	0	3946.5	1	4731.5	0	4734.0	1
5013.0	0	5013.5	2						

Figure 6 Waban to Eliot Data

PAGE B 1

FROM - WABAN  
TO - ELIOT  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
3346.5	1	56.233	4734.0	1	56.213			

Figure 6 Waban to Eliot Data (cont'd)

FROM - WABAN  
TO - ELIOT  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.00	0	0.0
2	57.25	57.00	0.64	9	34.5
0	57.00	56.25	99.29	11	5361.5
1	56.25	56.00	0.07	2	4.0
3	56.00	-59.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	100.00
0+1	4	56.00	57.00	99.35
5+3	BELOW STUDIED	56.00	57.75	0.00

Figure 6 Waban to Eliot Data (cont'd)





FROM - ELIOT  
TO - NEWTON HIGHLANDS  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
984.5	0	985.0	2	1796.0	0	1798.0	2	1799.0	4		
1803.0	2	1885.0	0	1868.5	2	1889.0	0	1890.0	2		
1898.5	0	1900.0	2	1901.0	0	1901.5	2	1921.5	0		
1928.0	2	1938.5	0	1939.5	2	1957.5	0	1963.0	2		
1984.5	0	1996.0	2	2046.0	0	2065.0	2	2071.0	0		
2072.0	2	2073.0	0	2073.5	2	2128.0	0	2136.0	2		
2162.5	0	2163.5	2	2184.5	0	2194.0	2	2281.5	0		
2282.5	2	2283.5	0	2302.0	2	2311.5	0	2322.5	2		
2343.5	0	2348.0	2	2378.5	0	2385.0	2	2404.5	0		
2405.0	2	2406.5	0	2407.0	2	2433.5	0	2435.0	2		
2450.5	0	2454.5	2	2456.0	0	2456.5	2	2478.0	0		
2483.5	2	2561.5	0	2562.0	2	2599.5	0	2600.0	2		
2629.0	0	2630.0	2	2644.5	0	2650.0	2	2662.0	0		
2656.0	2	2704.0	0	2712.5	2	2720.0	0	2729.0	0		
2790.5	0	2791.0	2	2791.5	0	2794.0	2	2806.5	0		
2828.5	2	2840.5	0	2851.0	2	2940.0	0	2946.0	2		
2967.0	0	2980.0	2	3046.5	0	3060.5	2	3177.0	0		
3178.0	2	3204.0	0	3207.5	2	3271.0	0	3274.5	2		
3275.5	4	3280.0	2	3293.0	0	3294.5	2	3296.0	0		
3297.0	2	3300.0	0	3300.5	2	3301.0	2	3312.0	0		
3319.5	0	3324.0	2	3335.0	0	3337.0	2	3343.5	0		
3345.0	2	3381.0	0	3381.5	2	3382.5	0	3389.5	0		
3461.0	0	3463.0	2	3478.5	0	3481.5	2	4347.5	0		
4348.5	2	4910.0	0	4919.0	2	5190.0	0	5190.5	2		
5247.5	0	5351.5	2	5342.5	0	5347.0	2	5322.5	0		

Figure 7 Eliot to Newton Highlands Data

PAGE B 1

FROM - ELIOT TO - NEWTON HIGHLANDS GAGE					
FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
1799.0	4	57.270	3275.5	4	57.277
			3296.0	4	57.263

Figure 7 Eliot to Newton Highlands Data (cont'd)

FROM - ELIOT TO - NEWTON HIGHLANDS GAGE				
ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES TOTAL FT.
6	99.00	57.75	0.00	0 0.0
4	57.75	57.25	0.05	3 2.5
2	57.25	57.00	5.02	62 271.0
0	57.00	56.25	94.94	59 5126.5
1	56.25	56.00	0.00	0 0.0
3	56.00	-99.00	0.00	0 0.0

ZONES	IFT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
2+3+5	3	56.00	57.00	99.95
0+1	0	56.00	57.00	94.94
6+3	5+6+7+8+9+0	56.00	57.75	0.00

Figure 7 Eliot to Newton Highlands Data (cont'd)



FROM - NEWTON HIGHLANDS  
TO - NEWTON CENTER  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
46.5	0	48.5	1	433.0	0	435.0	2	714.5	0
739.5	2	763.5	0	767.5	2	939.5	0	950.5	2
936.5	0	978.5	2	1009.5	0	1011.5	2	1015.0	0
1021.5	2	1025.5	4	1029.5	2	1055.0	0	1060.0	0
1576.0	0	1577.0	2	1787.0	0	1787.5	2	2387.5	0
2991.5	1	2993.5	0	2997.0	1	3015.5	0	3015.0	1
3017.0	0	3017.5	1	3018.0	0	3030.5	1	3568.0	0
3571.5	2	4145.5	0	4156.5	2	4197.5	0	4198.0	0
4577.5	0	4587.5	2	4588.5	0	4590.5	2	4619.0	0
4809.0	2	4820.0	0	4838.0	2	4839.0	0	4839.0	2
5196.5	0	5197.5	2	5171.0	4	5185.5	2	5197.5	0
5215.0	2	5220.5	0	5231.5	2	5241.5	4	5332.0	2
5251.0	2	5255.5	2	5287.0	0	5287.0	0	5287.0	0
5276.0	2								

Figure 8 Newton Highlands to Newton Center Data

FROM - NEWTON HIGHLANDS  
TO - NEWTON CENTER  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
48.5	1	56.236	1025.5	4	57.302	2901.5	1	56.244
2927.0	1	56.223	3016.0	1	56.244	3017.5	1	56.242
3020.5	1	56.194	5171.0	4	57.394	5241.5	4	57.411

Figure 8 Newton Highlands to Newton Center Data (cont'd)

FROM - NEWTON HIGHLANDS  
TO - NEWTON CENTER  
GAUGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.25	57.25	0.40	3	21.5
2	57.25	57.00	4.36	27	235.5
0	57.00	56.25	95.00	30	5130.0
1	56.25	56.00	0.24	6	13.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	99.60
0+1	4	56.00	57.00	95.24
6+3	BELOW STANDARD	56.00	57.75	100.00

Figure 8 Newton Highlands to Newton Center Data (cont'd)





FROM - NEWTON CENTER  
TO - CHESTNUT HILL  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
330.0	0	344.0	2	363.5	0	367.0	2	913.0	0		
920.0	2	928.5	4	948.5	2	957.5	2	989.5	2		
1000.0	4	1016.5	2	1018.0	0	1028.0	2	1042.0	0		
1046.0	2	1086.5	0	1136.5	2	1157.5	0	1165.0	2		
1167.0	0	1170.0	0	1310.5	0	1313.5	2	1349.0	0		
1354.5	2	1361.0	4	1365.5	2	1370.0	0	1371.5	2		
1395.5	0	1897.5	2	2401.0	0	2405.5	2	2406.0	4		
2412.0	2	2420.5	0	2424.0	2	2441.5	0	2455.0	2		
2464.0	0	2470.5	2	2471.5	4	2478.0	4	2481.5	2		
2482.0	2	2482.5	4	2484.5	2	2503.0	0	2504.5	2		
2507.5	0	2510.5	2	2605.0	0	2671.5	2	2689.5	0		
2704.0	2	2707.5	0	2715.0	2	2882.0	0	2885.0	2		
2948.5	0	2949.0	2	3957.0	0	3958.0	2	3958.5	0		
3350.0	2	4023.5	0	4034.0	2	4053.0	2	4056.0	2		
4157.0	4	4061.0	2	4113.0	0	4120.0	2	4120.5	0		
4138.5	2	4415.0	0	4417.0	2	4419.0	0	4446.5	2		
4447.5	0	4449.5	2	4581.0	0	4582.5	2	4583.5	0		
4758.5	2	5581.0	0	6362.5	2	6417.0	2	6417.5	2		
7006.0	0	7091.0	2	7100.5	0	7192.5	2	7193.0	0		
7066.0	2	7504.5	0	7504.5	2	7632.0	2	7633.0	2		
7400.5	0	7604.5	2	7604.5	0	7707.0	2	7711.5	0		
7713.0	2	7707.5	0	7718.0	2	7828.5	0	7830.0	2		
7735.2	0	7779.5	2	7839.0	4	7865.5	2	7870.0	0		
7719.2	2	7781.2	0	7832.0	2	7902.0	0	7917.5	2		
7705.2	0	7771.0	2	7839.0	0	7862.0	2	7863.5	2		
7711.3	2	7771.0	0	7850.5	2	7868.0	0	7868.5	2		
8034.0	0	8031.5	2	8035.0	0	8069.0	2	8070.0	0		
8073.3	2	8074.5	0	8080.0	2	8107.5	0	8111.5	2		
8139.3	0	8144.5	2	8156.0	0	8162.0	2	8163.0	0		

Figure 9 Newton Center to Chestnut Hill Data

FROM - NEWTON CENTER  
TO - CHESTNUT HILL  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
8165.0	2	8172.0	0	8177.0	2	8213.0	0	8213.5	2
8214.5	0	8231.0	2	8234.5	0	8225.0	2	8242.5	0
8246.0	2	8246.5	4	8247.0	2	8248.0	4	8249.0	2
8250.5	0	8251.0	4	8258.5	2	8267.0	0	8267.5	2
8268.0	0	8277.5	2	8285.0	0	8273.0	2	8274.0	0
8375.5	2	8376.0	0	8382.5	2	8395.5	4	8399.0	2
8463.0	0	8468.5	2	8471.0	0	8492.0	2	8492.5	0
8512.0	2	8549.5	0	8554.0	2	8554.5	0	8560.0	2
8751.5	0	8782.0	2						

Figure 9 Newton Center to Chestnut Hill Data (cont'd)

FROM - NEWTON CENTER  
TO - CHESTNUT HILL  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
928.5	4	57.397	1000.0	4	57.425	1361.0	4	57.400
2406.0	4	57.259	2471.5	4	57.275	2481.5	4	57.358
2482.5	4	57.263	4057.0	4	57.301	7859.0	4	57.358
7974.0	4	57.433	8246.5	4	57.271	8248.0	4	57.307
8251.0	4	57.274	8393.5	4	57.262			

Figure 9 Newton Center to Chestnut Hill Data (cont'd)

FROM - NEWTON CENTER  
TO - CHESTNUT HILL  
GAUGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.43	14	38.0
2	57.25	57.00	7.10	93	635.0
0	57.00	56.25	92.47	80	8137.0
1	56.25	56.00	0.00	0	0.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	99.57
0+1	4	56.00	57.00	92.47
6+3	BELOW STANDARD	56.00	57.75	0.00

Figure 9 Newton Center to Chestnut Hill Data (cont'd)

FROM - CHESTNUT HILL  
TO - RESERVOIR  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
23.5	0	35.0	2	36.0	0	38.0	2	39.5	0
45.0	2	46.0	4	48.0	2	49.0	0	49.5	1
50.5	0	53.5	2	132.0	0	141.0	0	150.0	0
150.5	2	181.0	0	185.0	2	213.0	0	217.0	2
228.5	0	231.0	2	231.5	0	232.0	2	247.5	0
249.5	2	287.5	0	292.0	2	316.5	0	322.0	2
323.5	0	324.0	4	329.5	2	342.0	0	347.0	2
347.5	0	350.5	2	438.5	0	442.5	2	451.0	0
452.5	2	454.0	0	459.5	2	536.5	0	540.5	2
568.0	0	584.0	2	732.5	0	735.0	2	738.0	0
728.5	2	730.0	0	730.5	2	828.5	0	833.5	2
839.0	0	854.0	2	975.0	0	993.5	2	1011.5	0
1013.5	2	1014.5	0	1017.0	2	1065.5	2	1078.0	2
1178.5	0	1181.5	2	1237.5	0	1341.0	2	1241.5	4
1248.0	2	1371.0	0	1389.5	2	1408.0	0	1419.0	2
1597.0	0	1599.5	1	1631.0	0	1632.5	1	1975.5	0
1976.5	2	5123.5	0	5124.0	2	5214.5	0	5217.0	2
5222.0	0	5224.5	2	5261.0	0	5266.5	2	5291.0	0
5293.0	2	5296.0	0	5317.0	0	5332.5	0	5333.0	2
5338.0	0	5339.5	2	5359.5	0	5591.0	2	5610.0	0
5421.5	0	5460.5	0	5477.5	2	5578.5	0	5583.0	2
5556.0	0	5561.5	2	5563.0	0	5574.5	2	5580.0	0
5603.5	2	5642.5	0	5644.5	2	5650.5	0	5660.0	2
5904.0	0	5905.5	2	5915.5	0	5927.5	2	5936.0	0
5940.0	2	5940.5	0	5947.0	2	5948.5	0	5949.0	2
5946.5	0	5956.5	2	5960.5	0	5967.0	2	5968.0	0
5967.5	2	5981.5	0	5987.5	2	6000.0	0	6000.0	2
6009.5	4	6014.0	2	6016.5	0	6018.0	2	6020.0	4
6032.5	0	6044.0	1	6047.0	2	6050.5	0	6051.0	2

Figure 10 Chestnut Hill to Reservoir Data

FROM - CHESTNUT HILL  
TO - RESERVOIR  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
6069.5	0	6074.5	2	6088.0	4	6093.0	2	6103.5	0
6114.5	2	6183.0	0	6183.5	4	6184.5	2	6288.5	0
6299.0	4	6303.5	0	6304.0	2	6316.0	0	6316.5	1
6317.0	2	6317.5	0	6318.0	1	6322.0	0	6327.0	2
6329.5	0	6330.0	2	6330.5	0	6331.0	1	6333.0	0
6339.0	2	6340.5	0	6341.5	1	6342.5	0	6343.0	1
6356.0	0	6356.5	2	6361.0	0	6361.5	2	6368.0	2
6951.5	1	6986.5	0	6988.5	1	7020.5	0	7024.0	2
7024.5	4	7032.5	2	7041.0	1	7046.0	2	7048.0	0
7054.0	2	7055.0	4	7055.5	2	7056.5	4	7063.0	2
7063.5	4	7064.0	2	7065.5	4	7086.5	0	7089.0	2
7103.5	0	7104.0	2	7106.0	0	7109.0	2	7157.5	0
7166.5	2	7167.5	0	7169.5	2	7170.0	0	7172.5	2
7173.5	0	7189.0	2	7189.5	0	7190.0	2	7191.0	0
7198.5	2								

Figure 10 Chestnut Hill to Reservoir Data (cont'd)

FROM - CHESTNUT HILL  
TO - RESERVOIR  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MIN MAGNITUDE
46.0	4	57.366	49.5	1	56.241	324.0	4	57.344
1241.5	4	57.352	1595.5	1	56.244	1633.0	1	56.237
5915.5	4	57.505	5930.5	4	57.328	5956.5	4	57.356
5966.0	4	57.479	6003.5	1	57.565	6032.5	6	57.409
6088.0	4	57.497	6103.5	4	57.285	6290.0	4	57.373
6316.5	1	56.116	6318.0	1	56.157	6331.0	1	56.224
6341.5	1	56.154	6347.0	1	56.112	6351.5	1	56.198
6888.5	1	56.154	7004.5	4	57.267	7041.0	4	57.403
7055.0	4	57.317	7006.5	4	57.270	7067.5	4	57.371
7065.5	4	57.326						

Figure 10 Chestnut Hill to Reservoir Data (cont'd)

FROM - CHESTNUT HILL  
TO - RESERVOIR  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURANCES	TOTAL FT.
6	99.00	57.75	0.06	1	4.5
4	57.75	57.25	1.18	19	85.0
2	57.25	57.00	6.56	95	472.0
0	57.00	56.25	92.02	91	6625.5
1	56.25	56.00	0.18	10	13.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.94
0+1+2	3	56.00	57.25	98.76
0+1	4	56.00	57.00	92.20
6+3	BELOW STANDRD	56.00	57.75	0.06

Figure 10 Chestnut Hill to Reservoir Data (cont'd)



FROM - RESERVOIR  
TO - BEACONSFIELD  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
14.0	0	19.5	2	24.5	0	27.5	2	28.5	0
32.5	2	53.5	0	61.0	2	100.5	0	102.5	2
356.0	0	357.0	0	357.5	0	358.5	2	359.0	0
359.5	2	361.5	0	363.0	2	372.5	4	385.0	2
393.5	4	400.5	2	401.0	0	402.0	2	403.0	0
403.5	2	404.0	0	412.0	2	412.5	4	414.5	2
423.5	4	424.5	0	439.5	0	440.0	2	441.0	0
444.5	2	455.0	0	457.5	2	466.5	4	473.0	2
477.5	0	479.5	2	485.0	4	490.0	6	501.0	4
504.0	2	523.5	0	526.0	2	536.5	0	531.5	2
545.0	4	550.5	2	566.5	0	571.5	2	640.0	0
640.5	2	641.0	4	641.5	2	755.5	2	756.0	2
760.5	0	761.5	2	773.0	0	773.5	1	774.0	0
774.5	2	775.0	1	779.5	2	784.5	2	786.5	0
787.0	2	787.5	0	788.0	1	790.0	0	796.0	2
798.0	0	799.0	1	799.5	0	800.0	1	1388.0	0
1388.5	2	1405.0	0	1408.5	1	1443.5	0	1445.5	1
1461.0	2	1461.5	2	1478.0	0	1480.5	2	1481.5	4
1489.5	0	1498.0	4	1500.0	2	1500.5	4	1503.0	2
1505.0	0	1511.0	2	1512.0	4	1513.0	2	1517.5	4
1520.0	2	1522.5	4	1548.0	0	1546.0	2	1500.5	0
1561.5	2	1563.5	0	1566.5	2	1614.5	0	1623.5	2
1624.5	2	1626.5	2	1637.0	0	1627.5	2	1626.0	0
1629.0	2	1630.5	0	1646.0	2	1646.5	0	1647.0	2
1648.0	0	1655.5	2	1659.0	0	1690.0	2	1635.0	4
1704.5	2	1705.0	0	1707.0	2	1708.5	0	1709.0	1
1710.5	0	1726.5	2	1730.0	0	1735.5	2	1736.5	0
1737.5	2	1738.5	0	1740.5	2	1745.0	0	1746.0	2
1763.0	0	1760.0	2	1773.0	4	1773.5	2	1906.5	0

Figure 11 Reservoir to Beaconsfield Data

FROM - RESERVOIR  
TO - BEACONSFIELD  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1808.0	2	1818.5	4	1824.0	2	1901.5	0	1907.0	2
1909.0	4	1918.5	2	1938.0	0	1942.5	2	1948.5	4
1952.5	2	2001.0	0	2003.5	2	2004.5	4	2008.5	2
2039.0	0	2046.0	2	2085.0	0	2085.0	2	2093.0	0
2106.5	2	2107.0	4	2113.5	0	2132.0	0	2134.0	2
2133.0	4	2144.5	2	2155.0	2	2164.5	2	2235.5	0
2239.5	2	2250.0	4	2252.5	2	2274.0	0	2306.0	2
2378.0	0	2391.5	2	2481.5	0	2487.5	2	2488.0	0
2493.0	2	2493.5	4	2494.0	0	2498.0	4	2503.0	2
2500.5	0	2606.5	2	2625.0	0	2636.5	2	2657.0	0
2663.0	2	2700.0	0	2711.0	2	2719.5	0	2760.5	2
2770.5	0	2771.5	2	2793.5	0	2795.0	2	2817.0	0
2824.0	2	2838.0	0	2867.5	0	2907.5	0	2915.5	2
2936.0	4	2938.0	2	3031.0	0	3037.5	2	3043.0	4
3056.0	2								

Figure 11 Reservoir to Beaconsfield Data (cont'd)

FROM - RESERVOIR  
TO - BEACONSFIELD  
GAGE

FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE
372.5	4	57.506	333.5	4	57.221	412.5	4	57.387
423.5	4	57.438	466.5	4	57.670	467.0	4	57.387
545.0	4	57.493	541.0	4	57.282	541.0	4	57.387
775.0	1	56.236	738.0	1	56.240	775.0	1	56.133
900.0	1	56.240	1075.0	1	56.133	1075.0	1	56.133
1481.5	4	57.353	1476.0	4	57.353	1476.0	4	57.353
1512.0	4	57.353	1512.0	4	57.353	1512.0	4	57.353
1635.0	4	57.287	1635.0	4	57.287	1635.0	4	57.287
1818.5	1	57.353	1818.5	1	57.353	1818.5	1	57.353
2004.5	4	57.384	2004.5	4	57.384	2004.5	4	57.384
2250.0	4	57.485	2250.0	4	57.485	2250.0	4	57.485
2926.0	4	57.486	2926.0	4	57.486	2926.0	4	57.486

Figure 11 Reservoir to Beaconsfield Data (cont'd)

FROM - RESERVOIR  
TO - BEACONSFIELD  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	95.00	57.75	0.15	1	5.0
4	57.75	57.25	4.47	28	143.0
3	57.25	57.00	15.84	99	539.0
0	57.00	56.25	78.25	80	2504.0
1	56.25	56.00	0.28	8	9.0
2	56.00	55.75	0.00	0	0.0

ZONES	IPT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.94
0+1+2	3	56.00	57.25	95.87
0+1	4	56.00	57.00	78.83
6+3	BELOW STAND	56.00	57.75	94.16

Figure 11 Reservoir to Beaconsfield Data (cont'd)

FROM - BEACONSFIELD  
TO - BROOKLINE HILLS  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
18.5	0	21.0	2	22.0	4	26.0	2	56.5	0
63.5	2	99.5	0	100.5	2	111.0	0	136.0	2
139.5	0	146.5	2	150.5	4	162.0	2	172.5	0
182.0	2	253.0	0	257.5	2	268.0	4	271.0	2
292.0	0	304.0	0	396.5	0	409.5	2	500.0	0
506.0	2	506.5	0	511.5	2	514.0	4	514.5	2
516.5	4	521.5	2	619.5	0	625.0	2	643.5	0
645.0	2	675.5	0	681.5	2	718.0	0	729.5	2
738.0	0	769.0	2	789.0	0	790.0	2	811.5	0
813.5	2	835.5	0	842.5	2	896.5	0	886.0	2
926.5	0	934.5	2	945.0	4	956.5	2	1050.0	0
1056.0	2	1061.5	4	1075.0	2	2538.5	0	2541.0	2
2542.0	0	2542.5	2	2512.0	0	2517.5	2	2530.0	4
2622.0	2	2699.0	0	2802.0	1	2857.5	0	2988.5	2
2972.0	0	2977.5	2	3559.5	0	3569.5	2	3878.0	0
3885.5	2	4822.5	0	4823.0	2	4854.0	0	4886.5	2
4894.0	0	4894.5	2	4896.5	0	4897.5	2	5002.0	0
5036.5	2	5038.0	4	5042.0	2	5044.5	0	5046.5	2
5047.5	0	5061.5	2	5073.5	0	5083.0	2	5105.5	0
5108.0	2	5111.0	0	5114.0	2	5140.5	0	5143.5	2
5181.0	0	5185.0	2	5185.5	0	5186.0	2	5196.0	0
5199.5	2	5200.0	0	5204.5	2	5258.0	0	5261.0	2
5301.0	0	5308.0	2	5314.5	0	5315.5	2	5319.0	0
5320.0	2								

Figure 12 Beaconsfield to Brookline Hills Data

FROM - BEACONSFIELD  
TO - BROOKLINE HILLS  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
22.0	4	57.300	150.5	4	57.288	268.0	4	57.453
514.0	4	57.257	516.5	4	57.289	945.0	4	57.424
1061.5	4	57.307	2620.0	4	57.469	2902.0	1	56.221
5038.0	4	57.268						

Figure 12 Beaconsfield to Brookline Hills Data (cont'd)

FROM - BEACONSFIELD  
TO - BROOKLINE HILLS  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURANCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.74	9	40.0
2	57.25	57.00	6.73	57	363.5
0	57.00	56.25	92.47	49	4993.5
1	56.25	56.00	0.06	1	3.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	99.26
0+1	4	56.00	57.00	92.53
6+3	BELOW STDND	56.00	57.75	0.00

Figure 12 Beaconsfield to Brookline Hills Data (cont'd)





FROM - BROOKLINE HILLS  
TO - BROOKLINE VILLAGE  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
205.5	0	206.5	4	537.5	0	538.0	2	539.0	0
601.5	2	609.0	0	609.5	2	612.0	0	612.5	2
738.0	0	752.0	2	752.5	4	756.0	2	763.0	0
776.0	2	788.5	0	797.0	2	818.0	0	823.0	2
826.5	0	827.0	2	827.5	0	828.0	2	857.5	0
858.0	2	895.5	0	897.5	2	910.5	0	913.5	2
915.0	0	917.5	2	923.0	0	975.0	2	1015.5	0
1016.0	2	1016.5	0	1018.0	2	1019.0	0	1021.0	2
1033.0	0	1034.0	2	1235.0	0	1278.0	2	1279.0	0
1280.0	2	1281.5	0	1284.5	2	1553.0	0	1554.0	2
1374.0	0	1377.0	2	1377.5	4	1390.5	2	1391.0	4
1391.5	2	1392.0	4	1400.5	2	1412.0	0	1412.5	2
1435.5	4	1437.5	2	2387.0	0	2397.5	2	2398.5	0
2292.5	2	2293.5	0	2305.5	2	2306.5	0	2312.5	2
2412.0	0	2413.0	2	2614.5	0	2615.0	2	2617.0	0
2928.5	2	2953.0	0	2953.5	1	2954.5	0	2955.5	1
3343.5	0	3349.0	2	3420.5	0	3421.5	2	3422.5	0
3432.5	2	3434.5	0	3437.5	2	3438.5	0	3439.5	2
3480.0	0	3480.5	2	7573.0	0	7580.0	2	7573.5	0
4085.0	2								

Figure 13 Brookline Hills to Brookline Village Data

FROM - BROOKLINE HILLS  
TO - BROOKLINE VILLAGE  
GAGE

FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE
206.5	4	57.545	752.5	4	57.253	1377.5	4	57.330
1391.0	4	57.251	1392.0	4	57.252	1435.5	4	57.346
2953.5	1	56.247	2955.5	1	56.246			

Figure 13 Brookline Hills to Brookline Village Data (cont'd)

FROM - BROOKLINE HILLS  
TO - BROOKLINE VILLAGE  
GAUGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	59.00	57.75	0.00	0	0.0
4	57.75	57.25	0.48	6	20.0
2	57.25	57.00	5.15	45	216.5
0	57.00	56.25	94.33	43	3962.0
1	56.25	56.00	0.04	2	1.5
3	56.00	55.00	0.00	0	0.0

ZONES	IPT CLASS	TIGHT	UNIT	% OF TOTAL
0+142+4	1+2	56.00	57.75	100.00
0+142	3	56.00	57.25	59.27
0+1	4	56.00	57.00	94.33
0+3	BELOW STUDRD	56.00	57.75	94.00

Figure 13 Brookline Hills to Brookline Village Data (cont'd)



FROM - BROOKLINE VILLAGE  
TO - LONGWOOD  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
363.5	0	368.5	2	442.5	0	452.0	2	494.5	0
497.0	2	498.0	0	499.0	2	594.5	0	599.5	2
1096.0	0	1107.5	2	1756.0	0	1782.5	2	1910.0	0
1916.0	2	2470.5	0	2471.0	1	2839.0	0	2860.5	1
2935.0	0	2938.0	1	2942.5	0	2944.5	1	2948.0	0
2951.0	1	3250.0	0	3251.0	1	3301.0	0	3303.0	1
3304.5	0	3305.0	1	3311.0	0	3317.0	1	3435.0	0
3436.0	2	3466.0	0	3474.0	2	3546.0	0	3547.5	2
3557.5	4	3581.0	2	3603.0	0	3603.5	1	3658.5	0
3667.5	2	3696.0	0	3701.0	2	3702.5	4	3703.0	2
3704.0	4	3709.0	2	3814.5	0	3808.0	2	3870.5	0
3889.5	2	3956.0	0	3979.0	2	4057.0	0	4057.5	2
4058.5	0	4072.5	2	4175.0	0	4201.5	2	4210.0	0
4213.5	2	4214.0	0	4217.0	2	4219.0	0	4218.5	2
4407.0	0	4407.5	2	4410.5	0	4411.5	2	4430.0	0
4439.5	2	4450.5	0	4406.0	2	4535.5	0	4586.0	2
4587.0	0								

Figure 14 Brookline Village to Longwood Data

FROM - BROOKLINE VILLAGE  
TO - LONGWOOD  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
2471.0	1	56.218	2860.5	1	56.240	3938.0	1	56.221
2944.5	1	56.239	2951.0	1	56.230	3251.0	1	56.225
3303.0	1	56.243	3305.0	1	56.249	3517.0	1	56.198
3557.5	4	57.352	3603.5	1	56.244	3703.5	4	57.288
3704.0	4	57.364						

Figure 14 Brookline Village to Longwood Data (cont'd)

FROM - BROOKLINE VILLAGE  
TO - LONGWOOD  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.27	3	12.5
2	57.25	57.00	3.75	30	172.5
0	57.00	56.25	95.54	38	4395.0
1	56.25	56.00	0.43	10	20.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	LOOSE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	99.73
0+1	4	56.00	57.00	95.98
6+3	BELOW STANDARD	56.00	57.75	0.00

Figure 14 Brookline Village to Longwood Data (cont'd)





FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
143.5	0	144.0	1	176.0	0	177.0	1	177.5	0				
178.0	1	224.0	0	224.5	1	227.5	0	230.0	1				
230.5	0	231.5	1	237.5	0	243.5	1	262.5	0				
263.0	1	362.0	0	363.0	1	393.0	0	401.0	1				
472.0	0	474.5	2	484.5	1	487.5	2	529.5	0				
530.5	1	585.5	0	594.5	2	625.0	0	627.5	1				
629.0	0	629.5	1	631.0	2	635.5	0	701.0	0				
784.5	2	797.0	0	816.5	1	882.5	2	885.5	0				
983.5	0	984.5	2	985.0	1	999.0	2	1121.5	0				
1129.0	2	1136.5	0	1140.0	2	1140.5	2	1143.5	1				
1144.5	0	1145.0	2	1333.0	0	1333.5	2	1336.5	1				
1337.5	2	1356.0	0	1365.5	1	1376.5	0	1382.5	2				
1511.0	0	1526.5	2	2334.5	0	2335.0	1	2783.5	0				
1788.5	1	3213.5	0	3215.5	1	3221.0	1	3227.5	2				
3672.0	0	3672.0	1	3779.5	0	3789.0	1						

Figure 15 Longwood to Fenway Park Data

FROM - LONGWOOD  
TO - FENWAY  
GAUGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
144.0	1	56.247	177.0	1	56.211	178.0	1	56.249
224.5	1	56.245	230.0	1	56.235	231.5	1	56.243
243.5	1	56.191	263.0	1	56.247	484.5	4	57.357
530.5	1	56.242	629.0	4	57.304	631.0	4	57.267
2235.0	1	56.247	2788.5	1	56.211	3221.0	4	57.381
3672.0	1	56.106	3789.0	1	56.162			

Figure 15 Longwood to Fenway Park Data (cont'd)

FROM - LONGWOOD  
TO - FENWAY  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.49	4	18.5
2	57.25	57.00	3.59	24	156.5
0	57.00	56.25	95.08	33	3613.0
1	56.25	56.00	0.84	13	52.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	99.51
0+1	4	56.00	57.00	95.90
6+3	BELOW STUDDED	56.00	57.75	0.00

Figure 15 Longwood to Fenway Park Data (cont'd)



FROM - FENWAY  
TO - KENMORE  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
237.5	0	243.5	1	667.5	0	669.5	2	675.5	4
682.0	2	1123.5	0	1127.0	1	1234.0	0	1244.0	1
1564.5	0	1566.5	2	1569.0	0	1570.5	2	1594.0	0
1596.5	1	1635.5	0	1636.5	2	1637.5	0	1643.0	2
1646.0	0	1646.5	2	1706.0	0	1710.5	2	1719.5	0
1720.0	2	1741.5	0	1743.0	2	1744.5	0	1753.5	2
1759.5	4	1760.0	6	1760.5	4	1762.5	2	1768.0	0
1789.5	1	1790.0	0	1791.5	2	1795.5	4	1796.0	2
1797.0	4	1798.5	0	1809.0	4	1809.5	0	1816.5	1
1812.5	0	1813.0	2	1813.5	0	1813.5	2	1815.0	4
1830.5	2	1841.5	0	1847.0	2	1863.5	0	1867.5	2
2888.5	0	2890.0	2	2923.0	0	2983.5	0	2942.0	0
2842.5	2	2957.5	0	3336.0	2	3441.5	2	3461.5	2
2878.0	0	2983.5	2	3484.0	0	3498.0	0	3461.5	2
3014.0	2	3041.5	0	3054.5	2	3065.5	0	3065.0	0
3066.5	0	3096.0	2	3101.0	4	3108.0	2	3101.5	4
3138.0	2	3327.5	0	3329.0	2	3429.0	0	3490.0	2
3489.5	0	3500.0	2	3500.5	2	3501.0	0	3505.0	0
3531.0	2	3535.0	0						

Figure 16 Fenway Park to Kenmore Data

FROM - FENWAY  
TO - PENNIRE  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
243.5	1	56.203	676.3	4	57.371	1137.0	1	56.111
1244.0	1	56.155	1547.3	1	56.147	1760.0	6	57.389
1789.5	1	56.116	1797.3	1	57.339	1797.0	4	57.400
1809.0	4	57.591	1910.5	1	56.151	1935.0	4	57.391
3101.0	4	57.345	3121.0	1	57.686			

Figure 16 Fenway Park to Kenmore Data (cont'd)

FROM - FENWAY  
TO - KENMORE  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.01	1	0.5
4	57.75	57.25	2.81	9	101.0
2	57.25	57.00	4.94	37	178.0
0	57.00	56.25	91.56	39	3296.0
1	56.25	56.00	0.68	6	24.5
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.99
0+1+2	3	56.00	57.25	97.16
0+1	4	56.00	57.00	92.24
0+3	BELOW STANDARD	56.00	57.75	0.01

Figure 16 Fenway Park to Kenmore Data (cont'd)





FROM - KENMORE  
TO - AUDITORIUM  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
79.5	0	81.5	2	134.5	0	137.0	2	137.0	2	284.5	0
298.5	2	305.5	0	312.0	0	328.5	0	338.5	0	339.5	2
340.0	0	340.0	2	390.5	0	391.0	2	393.0	0	393.0	4
394.0	2	394.5	0	395.0	0	395.5	2	395.5	2	395.5	4
398.5	2	399.0	4	405.0	2	405.5	0	405.5	0	406.0	2
429.0	0	430.5	2	431.0	4	440.5	0	441.5	2	441.5	2
442.5	0	447.5	2	448.0	0	448.5	4	449.0	2	449.0	2
452.5	1	454.5	1	456.0	0	457.0	1	457.5	0	457.5	0
459.0	1	575.0	0	577.5	2	578.0	4	579.5	2	579.5	2
583.0	4	583.5	4	585.0	2	585.5	4	587.0	2	587.0	2
587.5	4	589.5	2	603.0	0	606.0	2	623.0	4	623.0	4
623.5	6	625.5	4	628.5	2	652.0	0	664.0	2	664.0	2
692.5	4	693.0	0	694.0	2	705.0	4	705.5	2	705.5	2
708.5	4	736.0	2	737.0	4	737.5	2	770.5	4	770.5	4
771.0	2	867.5	4	868.5	2	882.0	4	884.5	2	884.5	2
885.5	4	891.0	2	893.5	4	896.0	2	915.5	4	915.5	4
916.0	2	938.5	4	961.0	2	979.5	4	981.0	2	981.0	2
984.5	4	990.5	2	998.5	4	1015.5	2	1020.0	0	1020.0	0
1030.0	2	1178.5	0	1173.5	3	1173.5	2	1173.5	2	1173.5	2
1187.0	0	1211.0	2	1214.0	0	1230.5	2	1274.5	0	1274.5	0
1351.5	2	1356.5	0	1362.5	3	1375.5	0	1375.5	0	1375.5	0
1380.5	0	1382.0	2	1390.0	2	1397.0	2	1397.5	0	1397.5	0
1310.0	2	1319.5	0	1321.5	0	1335.0	0	1341.0	2	1341.0	2
1344.5	2	1348.0	2	1352.0	0	1365.5	2	1369.5	0	1369.5	0
1401.0	2	1403.0	0	1404.5	2	1405.0	0	1406.5	2	1406.5	2
1425.5	0	1436.5	2	1436.5	0	1442.0	2	1446.5	0	1446.5	0
1447.0	2	1448.5	0	1459.5	2	1460.0	0	1462.5	2	1462.5	2
1468.5	0	1474.5	2	1476.0	0	1481.5	2	1482.0	0	1482.0	0
1561.0	1	1562.0	0	1580.5	1	1589.0	0	1593.5	0	1593.5	1

Figure 17 Kenmore to Auditorium Data

FROM - KENMORE  
TO - AUDITORIUM  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1625.5	0	1627.5	1	1643.0	0	1646.5	1	1647.5	0
1650.5	1	1652.0	0	1653.0	1	1711.0	0	1711.5	1
1727.5	0	1735.0	1	1737.0	0	1742.5	1	1743.0	0
1749.0	1	1751.0	0	1752.5	1	1786.5	0	1789.5	1
1813.5	0	1815.5	1	1820.5	0	1822.0	1	1875.5	0
1876.0	1	1935.0	0	1937.0	1	2036.5	0	2036.5	1
2046.5	0	2064.5	1	2064.5	0	2067.5	1	2081.0	0
2084.5	1	2108.5	0	2112.0	1	2123.5	0	2131.5	1
2155.5	0	2157.0	1	2184.5	0	2186.5	2	2209.5	0
2210.5	2	2211.0	0	2230.5	2	2236.5	0	2240.0	2
2264.5	0	2277.0	2	2293.5	0	2309.0	2	2316.5	0
2322.5	2	2377.5	0	2378.5	1	2419.0	0	2420.0	1

Figure 17 Kenmore to Auditorium Data (cont'd)

FROM - KENMORE  
TO - AUDITORIUM  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
393.0	4	57.603	395.0	1	56.198	399.0	4	57.252
431.0	4	57.357	448.5	4	57.674	454.5	1	56.295
457.0	1	56.203	459.0	1	56.234	578.0	4	57.265
583.5	4	57.282	585.5	4	57.273	587.5	4	57.388
623.5	6	57.837	632.5	4	57.350	705.0	4	57.445
708.5	4	57.267	757.0	4	57.553	770.5	4	57.432
867.5	4	57.477	882.0	4	57.355	885.5	4	57.292
893.5	4	57.266	915.5	4	57.371	930.5	4	57.390
979.5	4	57.398	984.5	4	57.291	995.5	4	57.375
1561.0	1	56.233	1588.5	1	56.146	1619.5	1	56.196
1627.5	1	56.245	1646.5	1	56.239	1650.5	1	56.238
1669.0	1	56.191	1711.5	1	56.290	1733.0	1	56.209
1742.5	1	56.195	1748.0	1	56.245	1763.5	1	56.277
1789.5	1	56.234	1815.5	1	56.230	1837.0	1	56.241
1876.0	1	56.247	1959.0	1	56.234	2036.5	1	56.241
2064.5	1	56.184	2077.5	1	56.236	2084.5	1	56.240
2112.0	1	56.231	2131.5	1	56.209	2157.0	1	56.247
2378.5	1	56.242	2730.0	1	56.145			

Figure 17 Kenmore to Auditorium Data (cont'd)

FROM - KENMORE  
TO - AUDITORIUM  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.02	1	0.5
4	57.75	57.25	10.23	24	286.5
2	57.25	57.00	14.45	70	404.5
0	57.00	56.25	70.32	80	1969.0
1	56.25	56.00	4.98	30	139.5
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.98
0+1+2	3	56.00	57.25	89.75
0+1	4	56.00	57.00	75.30
6+3	BELOW STRIP	56.00	57.75	0.02

Figure 17 Kenmore to Auditorium Data (cont'd)

FROM - AUDITORIUM  
TO - COPLEY  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
3.0	0	11.5	1	35.5	0	37.0	1	64.5	0		
66.5	2	89.5	0	90.5	2	91.0	0	91.5	2		
92.0	0	110.0	2	116.5	0	123.5	0	144.5	0		
156.5	2	178.5	0	189.0	2	196.5	0	202.5	2		
257.0	0	259.0	1	599.0	0	600.0	1	684.5	0		
687.0	2	699.5	0	712.5	2	713.0	0	715.5	2		
716.5	4	744.5	2	745.0	0	772.5	2	788.0	0		
789.0	2	810.5	0	811.0	2	814.5	0	815.0	2		
849.5	0	853.5	2	854.5	0	855.0	2	887.0	0		
890.0	2	926.5	0	928.0	2	985.5	0	989.0	2		
990.5	0	997.5	2	1019.0	0	1023.5	2	1024.5	0		
1026.0	2	1063.5	0	1068.0	2	1098.5	0	1099.0	2		
1107.0	0	1119.0	2	1289.0	0	1292.5	1	1296.5	0		
1302.5	1	1330.5	0	1345.5	1	1374.5	0	1390.0	1		
142.5	0	1445.0	1	1495.0	0	1495.5	1	1496.5	0		
1501.5	1	1556.5	0	1560.0	1	1564.0	0	1573.0	1		
1573.5	0	1574.0	1	1575.5	0	1578.0	1	1690.5	0		
1657.0	1	1673.5	0	1674.0	1	1675.0	0	1678.0	1		
1688.0	0	1691.0	1	1731.5	0	1738.0	1	1740.0	0		
1741.0	1	1754.5	0	1762.5	1	1796.5	0	1805.0	1		
1819.0	0	1823.0	1	1825.0	0	1838.0	1	1867.5	0		
1869.0	1	1896.0	0	1910.0	1	1910.5	0	1920.5	1		
1986.0	0	2000.5	1	2027.5	0	2031.5	1	2052.5	0		
2053.5	1	2167.0	0	2175.0	1	2248.0	0	2248.0	1		
2253.5	0	2254.0	1	2262.0	0	2272.0	1	2465.1	0		
2470.5	2	2537.0	0	2640.5	2	2648.5	4	2658.0	2		
2666.5	4	2692.0	2	2733.5	0	2734.0	0	2740.0	0		
2741.0	4	2741.5	0	2743.0	2	2747.0	0	2747.5	1		
2748.0	0	2751.0	1	2781.0	0	2781.5	2	2782.5	0		

Figure 18 Auditorium to Copley Data

FROM - AUDITORIUM  
TO - COPLEY  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
2783.5	4	2785.0	2	2803.5	0	2806.0	2	2808.5	4
2820.5	2	2822.0	4	2823.0	2	2823.5	0	2824.5	6
2825.0	0	2825.5	2	2834.0	0	2837.0	2	2838.0	4
2848.5	2	3144.0	0	3146.0	2	3175.0	0	3186.0	2
3249.5	0	3252.0	1						

Figure 18 Auditorium to Copley Data (cont'd)

FROM - AUDITORIUM  
TO - COPLEY  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
11.5	1	56.294	37.0	1	56.237	259.0	1	56.233
600.0	1	56.134	716.5	4	57.293	1292.5	1	56.233
1302.5	1	56.241	1343.5	1	56.167	1390.0	1	56.165
1445.0	1	56.242	1436.5	1	56.249	1501.5	1	56.205
1560.0	1	56.233	1513.0	1	56.134	1574.0	1	56.249
1578.0	1	56.238	1607.0	1	56.210	1674.0	1	56.247
1678.0	1	56.237	1631.0	1	56.235	1738.0	1	56.230
1741.0	1	56.243	1732.5	1	56.288	1806.0	1	56.193
1823.0	1	56.221	1838.0	1	56.189	1869.0	1	56.237
1910.0	1	56.148	1910.5	1	56.180	2000.5	1	56.184
2031.5	1	56.214	2033.5	1	56.233	2175.0	1	56.175
2348.0	1	56.218	2354.0	1	56.232	2272.0	1	56.214
2643.5	4	57.281	2616.5	4	57.343	2741.0	4	57.547
2747.5	1	56.218	2751.0	1	56.150	2783.5	4	57.304
2808.5	4	57.314	2822.0	4	57.616	2824.5	6	58.047
2838.0	4	57.302	3062.0	1	57.228			

Figure 18 Auditorium to Copley Data (cont'd)

FROM - AUDITORIUM  
TO - COPLEY  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	95.00	57.75	0.03	1	1.0
4	57.75	57.25	0.57	8	19.5
2	57.25	57.00	8.09	43	275.0
0	57.00	56.25	85.43	77	2904.5
1	56.25	56.00	5.88	38	200.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.97
0+1+2	3	56.00	57.25	99.40
0+1	4	56.00	57.00	91.31
6+3	BELOW 5.75 INCH	56.00	57.75	0.03

Figure 18 Auditorium to Copley Data (cont'd)



PAGE A 1

FROM - COPLEY  
TO - ARLINGTON  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
3.5	0	4.0	3	8.5	0	9.0	1	10.0	0
14.5	1	46.0	0	46.5	2	69.5	2	74.5	1
81.0	0	84.5	2	85.5	4	86.0	2	99.0	3
109.0	2	85.0	0	86.5	2	86.0	0	869.0	3
1147.5	0	1149.0	1	3011.0	7	3017.0	1	1897.5	0
2551.0	2	3012.0	0	3029.0	1	3123.0	0	2130.0	1

Figure 19 Copley to Arlington Data

FROM - COPLEY  
TO - ARLINGTON  
(600)

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FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE
4.0	3	55.953	9.0	1	56.215	14.5	1	56.118
85.5	4	57.565	1149.0	1	56.245	2017.0	1	56.191
3022.0	1	56.141	3130.5	1	56.180			

Figure 19 Copley to Arlington Data (cont'd)

FROM - COPLEY  
TO - ARLINGTON  
OFFICE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.03	1	1.0
2	57.25	57.00	0.69	8	23.5
0	57.00	56.25	98.38	14	3345.0
1	56.25	56.00	0.88	6	30.0
3	56.00	-99.00	0.01	1	1.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
1+1+2+4	1+2	56.00	57.75	1.00
0+1+2	3	56.00	57.25	1.07
0+1	4	56.00	57.00	99.11
ALL LOW STANDRD		56.00	57.75	0.01

Figure 19 Copley to Arlington Data (cont'd)



FROM - ARLINGTON  
TO - BOYLSTON  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
990.0	0	1000.0	1	1100.5	0	1108.5	1	1453.0	0
1454.5	2	1474.0	0	1485.5	2	1486.0	0	1487.5	2
1488.0	0	1489.0	2	1489.5	0	1491.5	2	1494.0	4
1498.0	2	1499.5	0	1505.0	2	1505.5	4	1507.5	2
1517.0	0	1521.5	2	1540.0	0	1551.0	2	1577.8	0
2045.0	2	2059.5	0	2065.5	2	2066.0	4	2077.5	2
2070.0	4	2077.0	2	2077.5	0	2080.0	2	2117.5	0
2116.5	2	2123.0	0	2126.0	2	2137.5	4	2147.5	2
2174.0	0	2149.5	2	2150.0	0	2164.5	2	2177.5	0
2219.0	2	2228.5	0	2231.5	2	2240.0	0	2247.6	2
2263.5	0	2267.0	2	2268.5	0	2276.0	2	2287.0	0
2465.5	2	2468.5	4	2477.5	2	2487.5	4	2497.5	2
2505.5	0	2506.0	4	2509.5	0	2509.0	2	2510.5	0
2561.0	2	2573.5	0	2584.5	2	2591.5	0	2597.5	2
2593.5	0	2594.0	2	2594.5	0	2596.0	2		

Figure 20 Arlington to Boylston Data

FROM - ARLINGTON  
TO - BOYLSTON  
GAGE

FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE
1000.0	1	56.146	1108.5	1	56.176	1494.0	4	57.320
1505.5	4	57.311	2066.0	4	57.285	2070.0	4	57.341
2135.5	4	57.256	2468.5	4	57.448	2483.5	4	57.448
2506.0	4	57.262	2560.0	3	55.970	2561.0	3	55.876

Figure 20 Arlington to Boylston Data (cont'd)

FROM - ARLINGTON  
TO - BOYLSTON  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.65	8	17.0
2	57.25	57.00	5.83	32	151.5
0	57.00	56.25	92.79	30	2412.5
1	56.25	56.00	0.69	2	18.0
3	56.00	55.00	0.00	5	15.0

ZONES	IPT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	0.06
0+1+2	3	56.00	57.25	0.71
0+1	4	56.00	57.00	58.91
6+3	BELOW STRIP	56.00	55.75	0.04

Figure 20 Arlington to Boylston Data (cont'd)





FROM - BOYLSTON  
TO - PARK  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
13.5	0	18.5	2	35.0	0	41.0	2	41.5	4
42.0	2	45.0	4	52.5	2	54.0	0	55.0	2
84.0	0	88.0	2	88.5	0	92.0	2	98.5	0
101.5	2	109.5	0	124.5	2	125.5	0	129.5	2
178.0	0	193.0	2	193.5	0	194.5	2	204.5	0
207.0	2	217.0	0	224.0	2	239.0	0	242.5	2
314.0	0	321.5	2	440.5	0	441.0	2	444.0	4
453.5	2	459.0	4	462.0	2	481.0	0	481.5	2
535.0	0	535.5	2	536.0	0	536.5	3	540.0	0
559.5	2	567.0	0	568.0	2	569.0	0	569.5	2
570.0	0	570.5	2	591.0	0	593.0	2	595.5	0
696.0	2	873.0	0	876.5	1	1063.0	0	1066.0	2
1082.5	0	1088.5	2	1089.0	0	1091.5	2	1100.0	0
1119.0	2	1148.5	0	1189.5	2	1197.5	0	1200.5	2
1220.0	0	1228.5	2	1229.0	0	1237.0	2		

Figure 21 Boylston to Park Data

FROM - BOYLSTON  
TO - PARK  
GAGE

FEET	ZONE	MAN MAGNITUDE	FEET	ZONE	MAN MAGNITUDE	FEET	ZONE	MAN MAGNITUDE
41.5	4	57.270	45.0	4	57.329	444.0	4	57.440
459.0	4	57.440	535.5	3	55.953	536.5	3	55.859
876.5	1	56.236						

Figure 21 Boylston to Park Data (cont'd)

FROM - BOYLSTON  
TO - PARK  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.86	4	12.0
2	57.25	57.00	15.61	34	218.5
0	57.00	56.25	83.21	33	1165.0
1	56.25	56.00	0.25	1	3.5
3	56.00	-50.00	0.07	1	1.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	59.05
0+1+2	3	56.00	57.25	59.07
0+1	4	56.00	56.00	58.46
0+3	BELOW STNDRD	56.00	57.75	58.47

Figure 21 Boylston to Park Data (cont'd)



FROM - PARK  
TO - GOVERNMENT CENTER  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
54.5	0	59.0	2	74.0	0	89.5	2	101.5	0
113.5	2	115.0	0	128.0	2	129.5	4	142.5	2
162.5	0	181.5	2	195.5	4	203.5	4	203.0	4
204.5	2	207.5	4	230.0	2	223.0	4	224.0	2
226.5	4	235.0	2	239.0	0	242.0	2	245.0	4
251.0	2	251.5	4	252.0	2	252.5	4	260.0	2
415.5	0	416.0	2	419.5	0	420.5	2	428.5	0
439.0	2	510.5	0	515.0	2	515.5	0	516.0	2
558.5	0	560.0	2	561.5	0	564.0	2	565.0	0
566.5	2	568.0	0	568.5	2	602.5	0	607.5	2
631.0	0	640.5	2	686.0	2	688.0	1	835.5	0
839.0	2	839.5	0	844.0	2	848.0	0	848.5	2
913.5	0	936.0	2	931.0	2	960.5	2	967.0	2
959.0	2	990.0	0	990.5	2	1065.0	0	1180.5	2
1106.5	4	1121.0	2	1184.5	2	1186.5	2	1190.5	0
1168.5	2	1189.0	0	1189.5	2	1276.0	0	1276.5	1
1242.5	0	1243.0	1	1246.5	0	1271.0	2	1271.5	0
1278.0	1	1324.5	0	1324.0	1	1521.5	0	1521.5	2
1578.5	0	1583.0	2	1677.5	0	1686.0	2	1687.5	6
1917.5	2	1937.5	0	1938.0	2	2164.0	0	2164.5	1

Figure 22 Park to Government Center Data

FROM - PARK  
TO - GOVERNMENT CENTER  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
129.5	4	57.276	195.5	4	57.507	203.0	4	57.265
207.5	4	57.314	223.0	4	57.265	226.5	4	57.295
245.0	4	57.308	251.5	4	57.292	252.5	4	57.253
688.0	1	56.135	963.0	4	57.262	1106.5	4	57.388
1239.0	1	56.134	1243.0	1	56.348	1251.0	1	56.161
1278.0	1	56.113	1334.0	1	56.194	2188.5	1	56.209

Figure 22 Park to Government Center Data (cont'd)

FROM - PARK TO - GOVERNMENT CENTER GAGE				
ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES
6	99.00	57.75	0.00	0
4	57.75	57.25	1.54	11
2	57.25	57.00	12.83	43
0	57.00	56.25	85.96	39
1	56.25	56.00	1.67	7
3	56.00	-99.00	0.00	0
				TOTAL FT.
				0.0
				37.0
				308.0
				2015.0
				40.0
				0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	98.46
0+1	4	56.00	57.00	85.62
6+3	BELOW STRIPD	56.00	57.75	0.00

Figure 22 Park to Government Center Data (cont'd)





FROM - GOVERNMENT CENTER  
TO - HAYMARKET  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
33.5	0	39.5	2	59.5	0	60.5	3	305.5	0
310.5	1	533.0	0	538.5	1	766.5	0	767.0	1
919.0	0	923.0	2	959.0	0	960.5	2	962.0	0
976.5	1	1021.5	0	1022.5	1	1074.0	0	1075.0	1
1099.5	0	1105.5	2	1170.0	0	1183.5	1	1194.0	0
1206.5	1	1287.5	0	1296.5	1	1354.0	0	1357.0	2
1358.0	4	1380.5	2	1368.0	0	1370.0	2	1370.0	0
1393.5	2	1396.5	4	1397.0	2				

Figure 23 Government Center to Haymarket Data

FROM - GOVERNMENT CENTER  
TO - HAYMARKET  
GAGE

FEET	ZONE	INCL. HEIGHT	FEET	ZONE	INCL. HEIGHT	FEET	ZONE	INCL. HEIGHT
310.5	1	56.212	538.5	1	56.223	757.0	1	56.230
976.5	1	56.235	1022.5	1	56.064	1079.0	1	56.115
1103.5	1	56.177	1206.5	1	56.232	1133.5	1	56.178
1750.0	4	57.339	1733.6	1	57.339			

Figure 23 Government Center to Haymarket Data (cont'd)

FROM - GOVERNMENT CENTER  
TO - HAYMARKET

GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	93.00	57.75	0.00	0	0.0
4	57.75	57.25	0.29	2	4.0
2	57.25	57.00	2.07	10	29.0
0	57.00	56.25	95.18	17	1332.5
1	56.25	56.00	2.46	9	34.5
3	56.00	-99.00	0.00	0	0.0

ZONE	IFT CLASS	TIGHT	TIME	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	0.29
0+1	4	56.00	57.00	2.07
6+3	BELOW STANDARD	56.00	57.75	0.00

Figure 23 Government Center to Haymarket Data (cont'd)



FROM - HAYMARKET  
TO - NORTH STATION  
GAUGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
181.0	0	187.5	1	722.5	0	725.0	1	726.0	0
729.5	1	751.0	0	754.5	2	825.0	0	833.5	1
852.5	0	856.5	1	857.0	0	858.5	1	913.5	0
915.0	1	934.5	0	946.0	1	1004.5	0	1008.5	2
1042.5	0	1046.0	2	1073.5	0	1083.0	2	1710.0	0
1712.0	2	1786.0	0	1790.5	1	1838.0	0	1850.5	1
1891.0	0	1896.0	1	1919.0	0	1920.5	1	2270.5	0
2275.5	1	2304.0	0	2313.0	1	2315.0	0	2319.5	1
2449.0	0	2450.0	2	2487.5	0	2488.0	1	2488.5	3
2489.5	0	2490.0	2	2492.5	0	2493.0	2	2494.0	0
2497.5	2	2498.0	0	2498.5	2	2565.5	0	2567.5	2
2568.5	0	2574.0	2	2578.0	0	2750.5	2	2862.5	0
3867.5	2	3901.0	0	3901.5	2	3903.0	0	4053.5	2
3960.5	0	3963.0	2	3963.5	0	3969.0	0	4000.5	0
3120.0	2	3123.0	0	3123.5	2	3125.0	0	3125.5	2
3136.5	0	3139.5	2	3140.5	1	3141.0	2	3141.5	0
3238.0	2	3249.0	0	3249.5	2	3249.5	0	3249.5	2
3308.0	0	3308.5	2	3308.5	0	3308.5	0	3308.5	0
3311.5	2	3322.0	0	3322.5	2	3322.5	0	3322.5	2
3330.0	0	3331.0	2	3331.5	0	3331.5	0	3331.5	0
3339.0	2	3339.5	0	3339.5	2	3339.5	1	3339.5	2
3353.0	0	3354.5	2	3354.5	0	3354.5	0	3354.5	0
3376.5	0	3378.0	4	3378.5	2	3378.5	0	3378.5	2
3382.5	2	3387.5	2	3387.5	0	3387.5	0	3387.5	2

Figure 24 Haymarket to North Station Data

FROM - HAYMARKET  
TO - NORTH STATION  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
187.5	1	56.811	745.0	1	56.827	798.5	1	56.833
833.5	1	56.172	898.5	1	56.188	898.5	1	56.196
915.0	1	56.348	942.0	1	56.355	1798.5	1	56.209
1050.0	1	56.173	1085.0	1	56.233	1300.0	1	56.241
2275.5	1	56.202	2311.0	1	56.135	2315.0	1	56.137
2498.0	1	56.388	2497.0	1	56.350	2498.0	1	56.383
3170.0	1	56.336	3170.5	1	56.339	3170.5	1	56.347

Figure 24 Haymarket to North Station Data (cont'd)

FROM - HAYMARKET  
 TO - NORTH STATION  
 Gals

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCUPANCIES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.29	3	10.0
2	57.25	57.00	6.44	41	219.0
0	57.00	56.25	90.76	56	3027.0
1	56.25	56.00	0.44	17	93.0
3	56.00	55.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.94
0+1+2	3	56.00	57.25	99.65
0+1	4	56.00	57.00	93.21
6+3	BELOW STOPP	56.00	57.75	0.00

Figure 24 Haymarket to North Station Data (cont'd)





FROM - NORTH STATION  
TO - SCIENCE PARK  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
10.5	1	139.5	0	140.5	2	178.0	0	179.0	3
179.5	0	180.0	2	182.5	0	183.0	2	184.5	0
187.5	2	256.0	0	257.0	0	259.0	0	264.0	2
438.5	0	440.5	2	553.0	0	557.5	2	591.0	0
591.5	2	738.5	0	743.5	2	751.0	0	753.5	2
789.5	0	808.5	2	809.0	0	810.5	2	813.0	0
823.5	2	825.5	0	826.0	2	827.0	0	830.0	2
837.5	4	858.0	0	858.5	2	904.0	2	904.5	0
911.5	2	924.5	0	926.5	2	927.0	0	928.0	2
939.5	0	949.0	2	958.5	0	968.0	2	1012.0	0
1012.5	2	1013.0	0	1019.5	2	1020.5	0	1021.0	2
1027.0	0	1027.5	2	1028.0	0	1029.0	2	1030.0	0
1037.0	2	1037.5	0	1039.0	2	1039.5	0	1040.5	2
1043.0	0	1044.5	2	1048.5	0	1049.0	1	1050.0	3
1064.0	0	1067.0	2	1068.0	4	1069.5	0	1070.0	2
1072.5	2	1073.0	4	1077.5	2	1080.0	0	1083.5	1
1099.5	0	1104.5	2	1141.5	0	1146.5	1	1159.0	0
1158.5	1	1193.0	0	1936.0	2	1979.5	0	1984.5	2
2002.0	0	2015.0	2	2036.5	0	2054.5	2	2058.0	0
2065.0	2	2075.5	0	2080.0	2	2082.0	2	2083.5	2
2087.5	0	2094.5	2	2096.0	0	2114.0	2	2118.5	0
2124.5	0	2125.0	2	2126.5	2	2136.0	0	2150.0	2
2151.5	0	2158.5	2	2175.0	0	2176.0	2	2180.0	0
2187.5	0	2188.5	0	2189.0	2	2198.0	0	2199.5	2
2211.0	4	2211.5	0	2213.5	4	2220.0	2	2207.5	0
2221.5	0	2225.0	2	2225.5	2	2227.0	0	2293.5	2
2233.5	0	2240.0	2	2241.0	0	2241.5	2	2247.5	0
2350.5	0	2352.0	1	2354.5	1	2359.0	0	260.5	1
2350.5	0	2351.0	1	2375.0	0	2380.0	1	2381.5	0

Figure 25 North Station to Science Park Data

FROM - NORTH STATION  
TO - SCIENCE PARK  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
2384.0	1	2396.0	0	2396.5	1	2397.0	3	2397.5	1
2398.0	0	2401.5	1	2629.0	0	2633.0	1	2643.5	0
2550.5	1	2651.0	0	2653.0	1	2657.5	0	2679.5	1
2758.5	0	2742.5	1	2791.0	0	2795.5	1	2800.5	0
2813.0	1	2868.0	0	2870.0	1	2946.5	0	2952.0	1
2980.5	0	2986.0	1	2987.5	0	2988.0	1	3008.5	0
3009.0	1	3262.0	0	3262.5	1	3526.0	0	3536.5	1
3599.5	0	3602.0	1	3616.5	0	3617.5	1	3627.0	0
3648.5	1	3672.5	0	3674.5	1	3703.0	1	3732.0	1
3762.0	1	3772.0	1	3776.0	0	3782.0	1	3810.0	0
3846.5	1	3852.5	0	3853.0	1	3889.0	0	3920.5	1
3921.5	0	3922.0	1	3938.0	0	3959.0	1	3947.0	0
3949.5	1	4051.0	0	4051.5	1	4102.5	1	4115.0	1
4116.0	0	4155.0	1	4157.5	0	4175.5	1	4176.0	0
4176.5	1	4192.0	0	4222.5	1	4242.0	0	4247.5	1
4319.0	0	4329.0	1	4341.0	0	4342.5	1	4347.0	0
4390.0	1	4395.0	1	4411.0	0	4412.5	1	4417.0	0
4430.0	0	4437.0	1	4452.0	0	4453.5	1	4458.0	0
4484.0	1	4495.5	0	4497.0	1	4511.5	0	4512.0	1
4540.5	0	4655.0	1	4655.5	0	4656.0	1	4656.5	0
4665.5	1	4666.0	1	4671.0	0	4671.5	1	4672.0	0
4776.0	1	4776.5	0	4776.5	1	4776.5	0	4776.5	1
4776.5	0	4780.5	1	4781.0	0	4781.0	1	4781.0	0
4781.5	1	4781.5	0	4781.5	1	4781.5	0	4781.5	1
4781.5	0	4781.5	1	4781.5	0	4781.5	1	4781.5	0

Figure 25 North Station to Science Park Data (cont'd)

FROM - NORTH STATION  
TO - SCIENCE PARK  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
10.5	1	56.170	179.0	3	55.931	837.5	4	57.371
1050.0	3	55.860	1068.0	4	57.314	1073.0	4	57.270
1082.5	1	56.106	1146.5	1	56.220	1158.5	1	56.204
2311.0	4	57.275	2212.5	4	57.262	2354.5	1	56.228
2360.0	1	56.110	2361.0	1	56.249	2380.0	1	56.191
2384.0	1	56.219	2397.0	3	55.785	2401.5	1	56.186
2633.0	1	56.213	2650.5	1	56.177	2653.0	1	56.244
2679.5	1	56.120	2742.5	1	56.133	2795.5	1	56.209
2813.0	1	56.132	2870.0	1	56.193	2952.0	1	56.160
2886.0	1	56.205	2989.0	1	56.243	3009.0	1	56.248
3262.5	1	56.217	3536.5	1	56.174	3602.5	1	57.224
3617.5	1	56.245	3649.5	1	56.144	3674.0	1	56.200
3732.0	1	56.113	3772.0	1	56.227	3782.0	1	56.200
3946.5	1	56.127	3893.0	1	56.247	3920.0	1	56.200
3932.0	1	56.241	3935.0	1	56.214	3949.0	1	56.200
4001.5	1	56.101	4115.0	1	56.183	4130.0	1	56.200
4173.5	1	56.097	4176.5	1	56.249	4330.0	1	56.200
4212.5	1	56.114	4259.5	1	56.193	4334.0	1	56.200
4306.0	1	56.127	4313.5	1	56.233	4341.0	1	56.200
4377.0	1	56.124	4382.5	1	56.247	4384.0	1	56.200
4427.0	1	56.237	4690.5	1	56.124	4621.0	1	56.200
4664.0	1	56.225	4665.5	1	56.249	4621.0	1	56.200
4775.5	3	56.160	4779.0	6	57.888	4761.0	1	56.200
4782.0	6	56.797	4785.5	6	58.075	4801.0	3	56.200

Figure 25 North Station to Science Park Data (cont'd)

FROM - NORTH STATION  
TO - SCIENCE PARK  
6100

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.08	3	4.0
4	57.75	57.25	0.27	8	13.0
2	57.25	57.00	7.21	64	346.0
0	57.00	56.25	81.50	121	3912.0
1	56.25	56.00	10.77	62	517.0
3	56.00	-99.00	0.17	1	.6

ZONE	1PT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	0.74
0+1+2	3	56.00	57.25	7.21
0+1	4	56.00	57.00	81.50
6+3	BELOW STATION	56.00	57.75	10.77

Figure 25 North Station to Science Park Data (cont'd)

FROM - SCIENCE PARK  
TO - LECHMERE  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1.5	0	8.0	2	10.5	0	13.0	1	30.0	0		
35.0	2	72.0	0	17.5	1	78.0	1	78.0	1		
88.5	0	88.0	1	85.5	0	865.0	2	910.0	0		
914.0	2	932.5	0	945.0	2	989.0	0	978.5	2		
979.0	0	984.5	2	989.0	0	991.5	2	992.0	0		
995.5	2	1006.0	0	1010.5	2	1012.5	0	1017.0	2		
1018.0	0	1018.5	2	1019.0	0	1024.5	2	1027.0	0		
1029.0	2	1029.5	0	1044.5	2	1049.0	0	1055.0	2		
1055.5	0	1057.0	2	1066.5	0	1081.0	2	1082.0	0		
1087.5	2	1088.5	0	1089.0	2	1105.0	0	1106.0	2		
1117.0	0	1117.5	2	1119.0	0	1119.5	2	1128.5	0		
1140.5	2	1141.0	4	1142.0	2	1142.5	4	1150.5	2		
1151.0	0	1152.0	2	1158.5	0	1159.0	2	1164.0	0		
1171.0	2	1177.5	0	1181.0	2	1257.0	0	1258.0	1		
1282.0	0	1285.0	1	1289.5	0	1290.5	1	1291.0	0		
1291.5	1	1305.5	0	1310.5	1	1314.0	0	1314.5	1		
126.5	0	1327.0	1	1327.5	3	1332.0	1	1553.5	0		
1554.0	1	1559.5	0	1563.5	1	1573.5	0	1584.0	1		
1597.5	0	1610.5	1	1669.0	0	1673.0	1	1673.5	0		
1726.0	1	1731.0	0	1743.5	1	1796.5	0	1796.5	1		
1876.5	0	1892.5	1	1911.0	0	1916.5	1	1916.5	0		
1917.5	1	1918.0	0	1918.5	1	1926.0	0	1926.0	1		
2192.5	0	2193.0	1	2456.5	0	2457.5	1	2457.5	0		
2532.5	1	2747.0	0	2548.0	0	2557.0	0	2557.0	1		
2603.0	0	2605.0	1	2633.5	0	2662.5	1	2662.5	0		
2658.0	1	2689.0	0	2669.5	1	2672.5	0	2672.5	1		
2892.0	0	2702.5	1	2706.5	0	2712.5	1	2712.5	0		
2892.0	1	2777.5	0	2783.5	1	2825.0	0	2825.0	1		
2826.0	0	2826.5	1	2829.0	0	2851.0	1	2851.0	0		

Figure 26 Science Park to Lechmere Data

FP011 - SCIENCE PARK  
 TO - LECHMERE  
 GAS

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
2952.5	1	2952.5	0	2952.5	1	2952.5	1
2910.0	0	2910.0	1	2910.0	1	2910.0	0
3063.5	1	3063.5	0	3063.5	0	3063.5	1
3107.5	0	3107.5	1	3107.5	1	3107.5	1
3190.0	1	3190.0	0	3190.0	1	3190.0	1

Figure 26 Science Park to Lechmere Data (cont'd)

FROM - SCIENCE PARK  
TO - LECHMERE  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
13.0	1	56.881	77.5	1	56.214	78.5	1	56.246
89.0	1	56.192	1141.0	4	57.271	1142.5	4	57.259
1258.0	1	56.248	1285.0	1	56.223	1290.5	1	56.118
1291.5	1	56.246	1310.5	1	56.189	1314.5	1	56.242
1327.5	3	55.768	1554.0	1	56.247	1563.5	1	56.209
1384.0	1	56.171	1610.5	1	56.116	1673.0	1	56.125
1726.0	1	56.205	1743.5	1	56.130	1800.5	1	56.189
1882.5	1	56.167	1916.5	1	56.206	1917.5	1	56.248
1918.5	1	56.248	1940.0	1	56.240	2193.0	1	56.177
2457.0	1	56.174	2532.5	1	56.222	2548.0	1	56.177
2579.0	1	56.146	2605.0	1	56.235	2652.5	1	56.177
2668.0	1	56.249	2669.5	1	56.247	2673.0	1	56.177
2702.5	1	56.227	2712.5	1	56.191	2777.5	1	56.177
2783.5	1	56.246	2825.5	1	56.247	2876.5	1	56.177
2851.0	1	56.157	2852.5	1	56.235	2876.0	1	56.177
2880.0	1	56.234	2910.5	1	56.249	3072.0	1	56.177
3057.5	1	56.095	3106.0	1	56.090	3107.0	1	56.177
3108.0	1	56.249	3143.0	1	56.179	3170.0	1	56.177
3194.0	1	56.227						

Figure 26 Science Park to Lechmere Data (cont'd)

FROM - SCIENCE PARK  
TO - LECHMERE

LINE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.03	2	1.0
2	57.25	57.00	4.89	30	156.5
0	57.00	56.25	83.00	81	2656.0
1	56.25	56.00	12.06	54	386.0
3	56.00	-59.00	0.02	1	0.5

ZONES	JPT CLASS	TIGHT	LINE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.98
0+1+2	3	56.00	57.25	0.01
0+1	4	56.00	57.00	99.06
6+3	BELOW STDND	56.00	57.75	0.02

Figure 26 Science Park to Lechmere Data (cont'd)



FROM - LECHMERE  
TO - SCIENCE PARK  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1.5	0	2.0	2	2.5	0	3.0	4	4.0	2
5.5	0	6.0	1	6.5	0	7.0	2	8.0	0
16.0	1	16.5	1	17.0	4	22.0	0	22.5	4
23.0	6	23.5	4	24.0	6	26.0	0	27.5	4
36.0	6	36.5	0	37.0	6	37.5	4	38.0	0
38.5	4	42.0	0	42.5	6	44.0	0	44.5	2
45.5	4	46.0	2	48.0	6	49.5	4	50.0	6
52.5	4	53.0	2	53.5	4	54.0	2	54.5	1
55.0	2	55.5	0	56.0	2	56.5	0	58.0	2
58.5	0	59.0	2	63.5	0	66.0	2	66.5	0
68.5	2	77.0	0	88.5	2	81.5	4	82.0	2
82.5	0	83.0	2	90.0	0	92.5	0	93.0	4
94.0	2	94.5	0	95.0	2	96.5	6	97.5	4
98.5	2	114.0	0	117.0	2	118.0	4	121.5	2
123.5	0	127.0	2	128.5	4	132.0	2	132.5	0
133.0	4	133.5	2	134.0	0	136.0	2	138.5	4
141.0	2	145.5	4	146.5	2	149.0	4	150.0	2
152.0	4	153.5	6	161.5	4	163.0	6	173.0	4
185.5	2	186.5	4	187.0	0	187.5	0	189.0	2
194.5	0	202.0	2	204.0	4	205.0	2	208.0	0
208.5	1	210.5	0	217.0	1	212.0	0	213.0	2
216.0	0	219.5	1	220.0	0	230.5	2	231.5	0
222.0	2	228.0	0	233.0	2	233.5	0	236.0	2
245.5	4	261.5	2	271.0	0	277.5	2	282.0	4
279.0	2	279.5	4	280.0	0	281.0	4	288.0	2
287.0	4	302.5	2	307.5	0	313.5	4	314.5	4
346.0	6	348.0	4	348.5	0	349.5	4	351.5	6
364.0	4	364.5	6	389.0	4	389.5	2	394.0	4
434.0	2	560.5	4	564.0	4	568.5	4	569.5	6

Figure 27 Lechmere to Science Park Data

FROM - LECHMERE  
TO - SCIENCE PARK  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
574.5	4	579.0	2	585.0	0	591.0	2	630.0	4
635.5	2	644.5	0	647.5	2	669.0	4	670.0	2
756.0	4	761.5	2	780.5	0	782.0	2	783.0	0
783.5	2	796.0	0	798.5	2	813.5	0	840.5	2
861.0	0	865.5	2	873.5	0	918.5	2	927.5	0
940.5	2	944.5	0	962.0	2	963.0	0	1022.5	2
1031.5	0	1032.5	2	1045.0	0	1055.5	2	1056.0	0
1066.5	2	1067.0	0	1067.5	2	1070.5	0	1084.5	2
1085.0	4	1086.5	2	1087.0	4	1088.0	2	1088.5	4
1106.5	2	1111.0	0	1136.0	2	1138.5	0	1152.0	2
1171.0	0	1172.0	2	1173.0	0	1173.5	2	1174.5	0
1175.0	2	1197.0	0	1213.0	2	1268.0	0	1270.0	2
1270.5	0	1272.5	2	1273.0	0	1273.5	2	1275.0	0
1277.0	2	1286.5	0	1288.0	2	1310.5	0	1316.0	2
1318.5	0	1323.0	2	1327.0	0	1330.0	2	1331.0	4
1333.0	2	1334.0	4	1337.0	2	1354.0	0	1361.0	2
1692.0	0	1693.0	2	1773.5	0	1774.0	2	1774.5	0
1776.5	2	1791.0	0	1792.0	2	1964.0	0	1967.0	2
1968.0	0	1973.5	2	1975.0	2	1976.0	0	1976.5	0
1981.0	2	1984.5	0	1989.0	2	2003.0	0	2010.0	2
2115.5	0	2119.0	2	2131.0	0	2132.5	2	2174.0	0
2178.5	2	2194.0	0	2205.5	2	2209.0	0	2210.5	2
2207.0	0	2219.0	2	2270.5	0	2272.5	2	2280.0	0
2290.5	2	2294.0	0	2364.0	2	2365.5	0	2366.0	2
2341.5	0	2342.0	2	2371.0	0	2374.0	2	2375.5	0
2400.0	0	2409.5	2	2415.0	0	2415.0	2	2415.5	0
2436.0	0	2437.5	2	2513.5	0	2514.0	2	2514.5	0
2500.5	2	2501.0	0	3004.0	0	3005.0	2	3005.5	0
3118.5	4	3124.0	2	3135.0	0	3126.0	2	3127.5	0

Figure 27 Lechmere to Science Park Data (cont'd)

FROM - LECHMERE  
TO - SCIENCE PARK  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
3134.5	2	3135.5	4	3159.0	2	3150.0	0	3163.0	2
3163.5	0	3170.0	2	3180.5	0	3190.5	0	3191.5	0
3209.5	2	3212.0	0	3250.0	2	3250.5	4	3288.0	2
3295.0	0	3296.5	2	3301.5	0	3309.5	2	3314.0	0
3324.0	2	3330.5	0	3353.5	2	3354.5	0	3382.5	2
3384.0	4	3384.5	2	3386.0	4	3395.5	2	3411.5	0
3415.5	2	3416.0	4	3423.0	2	3441.5	0	3445.5	2
3447.0	0	3449.0	2	3471.0	0	3479.0	2	3500.0	0
3502.5	2	3508.5	0	3509.0	2	3510.5	0	3515.0	0
3517.5	4	3550.5	2	3553.0	4	3605.5	2	3619.0	0
3630.5	2	3631.0	4	3645.5	2	3653.0	0	3656.0	2
3743.5	4	3744.0	2						

Figure 27 Lechmere to Science Park Data (cont'd)

FROM - LECHMERE  
TO - SCIENCE PARK  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
3.0	4	57.453	6.0	1	56.062	16.5	6	58.234
22.0	6	58.399	23.0	6	57.753	24.0	6	58.095
36.0	6	58.420	37.0	6	57.894	38.5	4	57.294
42.5	6	58.155	45.5	4	57.448	49.0	6	58.483
50.0	6	57.878	53.5	4	57.361	54.5	1	56.082
81.5	4	57.340	93.0	4	57.318	96.5	6	58.178
118.0	4	57.267	128.5	4	57.264	133.0	4	57.263
138.5	4	57.364	145.5	4	57.518	149.0	4	57.309
153.5	6	57.918	163.0	6	57.843	186.5	4	57.310
204.0	4	57.492	208.5	1	56.244	211.0	1	56.240
219.5	1	56.113	246.5	4	57.31	247.0	4	57.31
279.5	4	57.393	281.0	4	57.394	287.0	4	57.39
346.0	6	57.794	348.5	1	57.796	351.0	6	57.80
364.5	3	57.756	479.5	1	56.286	481.5	4	57.37
568.5	6	57.762	630.0	4	56.366	634.0	4	57.446
756.0	4	57.687	1007.0	4	57.394	1017.0	4	57.394
1038.5	4	57.374	1051.0	4	57.459	1071.0	4	57.394
2434.5	4	57.361	2447.5	4	57.361	2457.0	4	57.361
3250.5	4	57.356	3259.0	4	57.356	3267.0	4	57.356
3416.0	4	57.371	3424.5	4	57.371	3431.0	4	57.371
3531.0	1	57.354	3537.5	4	57.354	3544.0	1	57.354

Figure 27 Lechmere to Science Park Data (cont'd)

FROM - LECHMEPE TO - SCIENCE PARK BASE				
ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	TOTAL FT.
6	99.00	57.75	0.74	28.0
4	57.75	57.25	16.32	620.0
2	57.25	57.00	26.28	998.5
0	57.00	56.25	56.32	2140.0
1	56.25	56.00	0.36	13.5
3	56.00	-99.00	0.00	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.36
0+1+2	3	56.00	57.25	92.35
0+1	4	56.00	56.00	56.00
6+3	BELOW STIMPH	56.00	57.75	0.74

Figure 27 Lechmere to Science Park Data (cont'd)



FROM - SCIENCE PARK  
TO - NORTH STATION  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
46.0	0	52.0	2	59.5	0	61.5	2	74.5	0		
84.5	2	117.0	0	121.0	2	137.0	0	142.0	2		
150.5	0	161.5	2	173.0	0	184.5	2	188.5	0		
192.5	2	197.0	0	207.0	2	247.5	0	248.5	2		
296.5	0	297.0	2	300.5	0	306.5	2	341.0	0		
342.5	2	352.0	0	365.5	2	367.0	4	368.0	2		
368.5	0	370.0	2	459.5	0	460.5	2	642.0	0		
643.0	2	944.5	0	946.5	2	1044.0	0	1049.0	2		
1061.0	4	1066.5	2	1068.0	0	1068.5	2	1069.5	0		
1077.5	2	1078.0	4	1101.5	2	1102.5	0	1105.5	2		
1106.5	0	1112.0	2	1123.0	0	1135.0	2	1135.5	0		
1152.0	2	1154.5	0	1230.5	2	1238.0	0	1339.0	2		
1344.5	0	1252.0	2	1257.0	0	1266.5	2	1373.0	0		
1396.0	2	1297.0	0	1325.0	2	1326.5	4	1327.5	2		
1329.0	4	1336.0	2	1354.5	0	1358.0	2	1358.5	4		
1365.5	2	1384.0	0	1386.0	2	1390.0	0	1391.5	2		
1414.0	0	1421.5	2	1442.5	0	1445.0	2	1453.0	0		
1458.0	2	1459.0	4	1459.5	2	1460.0	4	1493.5	2		
1495.5	4	1548.0	2	1572.0	0	1583.0	2	1595.5	0		
1598.5	2	1686.0	4	1686.5	2	1740.5	4	1745.0	2		
1746.5	4	1754.0	2	1755.0	4	1756.5	6	1756.0	1		
1786.5	2	1800.5	4	1801.0	6	1891.5	4	1943.0	2		
1911.5	4	1915.0	2	1941.0	0	1941.0	2	1947.0	0		
2068.0	2	2193.5	0	2198.0	2	219.5	4	2198.0	2		
2200.0	0	2200.5	2	2220.0	0	2220.0	2	2220.0	2		
2230.0	2	2230.5	0	2232.0	2	2237.0	0	2237.0	2		
2255.5	0	2256.0	2	2257.0	0	2270.5	2	2270.5	0		
2279.0	2	2280.0	4	2280.0	2	2280.0	2	2280.0	2		
2296.5	0	2308.0	2	2308.5	0	2311.5	2	2311.5	2		

Figure 28 Science Park to North Station Data

FROM - SCIENCE PARK  
TO - NORTH STATION  
GAUGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
2325.5	2	2326.5	0	2327.0	1	2329.0	0	2331.5	2
2335.0	4	2339.0	2	2341.0	0	2352.5	0	2353.0	0
2373.0	2	2375.0	0	2411.5	2	2413.0	0	2417.5	2
2418.0	0	2418.5	1	2420.5	0	2436.0	2	2436.5	0
2441.0	1	2441.5	2	2444.0	0	2450.0	2	2454.0	0
2454.5	1	2470.5	2	2473.0	0	2473.5	1	2475.0	2
2477.0	0	2479.5	1	2487.5	2	2488.0	0	2488.5	4
2489.0	0	2506.0	2	2508.5	0	2509.0	2	2512.5	0
2515.0	2	2519.5	0	2522.5	2	2523.0	0	2524.0	2
2526.0	0	2529.5	2	2534.0	0	2568.0	2	2568.5	0
2569.0	1	2572.5	0	2587.0	2	2587.5	0	2588.0	4
2588.5	2	2589.0	0	2589.5	2	2590.0	0	2590.5	2
2591.0	4	2591.5	2	2592.0	0	2600.5	2	2602.0	0
2602.5	1	2603.0	2	2603.5	4	2604.0	2	2604.5	0
2611.5	1	2612.5	0	2628.5	2	2631.5	0	2641.0	2
2642.5	4	2646.0	2	2693.0	0	2697.0	2	2722.5	0
2729.0	2	2771.5	0	2777.0	2	2813.0	2	2814.5	2
2815.0	0	2827.5	2	2830.5	1	2831.0	0	2831.5	0
3040.0	2	3041.0	4	3047.0	2	3085.0	0	3085.5	2
3104.0	0	3104.5	0	3105.0	0	3105.5	0	3106.0	0
3121.0	2	3133.5	0	3136.0	2	3165.0	4	3169.5	2
3170.0	4	3186.5	2	3187.5	4	3188.0	4	3191.5	4
3192.0	2	3193.0	4	3195.5	2	3205.0	4	3226.0	2
3226.5	4	3227.0	2	3235.5	4	3236.0	2	3241.0	4
3248.0	0	3248.5	4	3249.0	0	3249.5	0	3250.0	0
3285.0	4	3288.5	2	3321.0	4	3333.5	2	3334.0	0
3339.0	0	3342.5	4	3352.0	2	3352.5	4	3359.5	2
3395.0	2	3397.0	2	3645.0	0	3648.5	2	3772.0	0
3774.5	0	3801.0	0	3801.5	0	3802.0	0	3802.5	0

Figure 28 Science Park to North Station Data (cont'd)



FROM - SCIENCE PARK  
TO - NORTH STATION  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
3824.0	0	3825.0	2	3999.0	0	4002.0	2	4058.0	0
4058.5	2	4059.5	0	4063.0	2	4072.0	0	4075.5	2
4085.5	4	4087.5	2	4088.5	4	4090.0	2	4093.5	0
4094.0	2	4117.5	0	4119.0	2	4137.0	0	4141.5	2
4188.0	4	4189.5	2	4332.0	4	4352.5	2	4356.0	0
4378.5	2	4379.0	0	4388.5	2	4389.0	0	4393.0	2
4394.0	4	4401.0	2	4413.5	0	4423.0	2	4427.5	0
4424.0	4	4425.5	6	4426.0	4	4426.5	2	4428.0	4
4429.5	2	4430.5	0	4435.0	2	4436.0	0	4436.5	1
4437.0	0	4439.5	1	4440.0	0	4442.0	2	4443.5	0
4444.0	2	4444.5	0	4452.5	2	4453.5	0	4454.5	2
4460.5	0	4463.5	2	4465.5	0	4472.0	2	4473.0	0
4487.0	2	4488.5	4	4490.5	2	4491.0	0	4491.5	2
4507.0	0	4510.5	2	4511.5	4	4512.5	4	4513.0	4
4513.5	2	4514.5	4	4515.5	2	4516.0	0	4517.5	2
4520.5	0	4521.0	2	4531.5	0	4534.0	2	4535.5	4
4538.0	2	4539.5	4	4540.0	2	4541.0	4	4541.5	2
4543.0	4	4556.5	2	4557.5	0	4558.5	2	4559.5	0
4559.5	2	4562.5	4	4563.0	2	4563.5	4	4564.5	2
4576.0	0	4576.5	2	4580.0	0	4580.5	2	4581.5	4
4582.5	2	4583.5	4	4584.0	2	4585.0	4	4585.5	2
4587.0	0	4590.0	2	4591.0	4	4592.5	2	4593.5	4
4595.5	2	4598.0	4	4603.5	2	4614.5	4	4615.5	2

Figure 28 Science Park to North Station Data (cont'd)

FROM - SCIENCE PARK  
TO - NORTH STATION  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
367.0	4	57.344	1061.0	4	57.407	1078.0	4	57.252
1326.5	4	57.278	1329.0	4	57.259	1358.5	4	57.265
1459.0	4	57.259	1460.0	4	57.251	1495.5	4	57.260
1686.0	4	57.472	1745.5	4	57.694	1746.5	4	57.258
1756.5	6	57.945	1801.5	6	57.787	1911.5	4	57.265
2198.5	4	57.319	2273.0	4	57.571	2280.0	4	57.255
2285.0	4	57.757	2327.0	1	56.223	2335.0	4	57.512
2418.5	1	56.245	2441.0	1	56.186	2454.5	1	56.238
2473.5	1	56.247	2479.5	1	56.186	2488.5	4	57.422
2569.0	1	56.250	2583.0	4	57.008	2591.0	4	57.305
2602.5	1	56.184	2603.5	4	57.405	2611.5	1	56.160
2642.5	4	57.300	3041.0	4	57.323	3166.0	4	57.511
3170.0	4	57.371	3181.5	4	57.367	3191.5	4	57.279
3193.0	4	57.356	3205.0	4	57.303	3205.5	4	57.250
3335.5	4	57.345	3344.0	4	57.318	3352.5	4	57.301
3378.5	4	57.363	3377.1	4	57.311	3381.5	4	57.419
3542.5	4	57.322	3550.5	4	57.305	3559.5	4	57.415
4088.5	4	57.304	4100.0	4	57.305	4100.5	4	57.401
4344.0	4	57.322	4440.0	4	57.309	4440.5	4	57.401
4476.5	1	56.300	4500.5	1	56.186	4500.5	4	57.371
4511.5	4	57.357	4517.0	4	57.357	4517.5	4	57.389
4537.5	4	57.230	4540.5	4	57.357	4541.5	4	57.384
4547.0	4	57.231	4552.5	4	57.357	4552.5	4	57.384
4581.5	4	57.232	4582.5	4	57.357	4582.5	4	57.384
4591.0	4	57.217	4591.5	4	57.357	4591.5	4	57.384
4614.5	4	57.551	4614.5	4	57.551	4614.5	4	57.551

Figure 28 Science Park to North Station Data (cont'd)

FROM - SCIENCE PARK  
TO - NORTH STATION  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.03	3	4.0
4	57.75	57.25	14.25	68	684.0
2	57.25	57.00	23.99	189	1151.5
0	57.00	56.25	61.26	134	2940.5
1	56.25	56.00	0.42	11	20.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	00.00
0+1+2	3	56.00	57.25	15.67
0+1	4	56.00	57.00	41.58
6+3	BELOW STUMP	56.00	57.75	0.08

Figure 28 Science Park to North Station Data (cont'd)



FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
8.0	0	19.5	2	20.0	0	26.0	2	26.5	0						
37.0	2	38.0	0	38.5	1	40.5	0	43.0	2						
46.5	2	58.5	2	52.5	0	58.0	2	58.5	0						
64.0	0	64.5	0	84.5	2	86.5	0	85.0	2						
124.5	2	129.0	2	129.5	0	130.5	1	132.0	2						
147.5	2	148.0	2	152.5	1	153.0	1	155.5	0						
161.5	2	165.5	0	166.0	1	182.0	2	184.5	0						
185.0	1	186.5	2	188.5	0	191.0	1	199.5	2						
200.0	4	200.5	0	217.5	2	220.0	0	220.5	2						
224.0	0	226.5	2	231.0	2	234.0	2	234.5	0						
235.5	2	237.5	0	241.0	2	245.5	2	249.5	0						
264.0	0	268.5	2	269.0	0	299.5	4	300.0	2						
300.5	0	301.0	2	301.5	0	302.0	4	302.5	4						
312.0	0	312.0	2	313.5	0	314.0	1	314.5	2						
315.0	2	315.5	2	316.0	0	323.0	1	324.0	0						
340.0	4	343.0	0	352.5	2	354.0	4	357.5	2						
404.5	0	408.5	0	434.0	0	440.5	2	453.0	0						
488.5	2	524.5	2	526.0	0	536.5	2	537.0	2						
542.0	2	553.5	2	562.0	0	564.5	0	571.0	2						
758.5	2	796.5	2	797.0	2	815.5	0	816.0	2						
816.5	2	817.5	2	824.0	0	832.5	2	847.0	0						
847.5	2	877.5	4	881.0	2	881.5	4	881.5	2						
899.0	4	899.5	4	903.0	2	903.5	2	903.5	2						
905.0	2	916.5	2	937.5	2	938.0	4	938.5	2						
947.0	4	947.5	2	948.0	4	948.5	2	952.5	4						
960.0	2	980.0	2	987.5	2	988.0	2	991.0	0						
996.5	4	1000.0	2	1032.5	4	1045.0	2	1045.5	2						
1050.5	2	1063.5	4	1063.5	2	1064.0	2	1071.0	0						
1108.5	2	1108.5	2	1356.5	0	1360.0	2	1483.5	0						

Figure 29 North Station to Haymarket Data

FROM - NORTH STATION  
TO - HAYMARKET  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1486.0	2	1512.5	0	1513.0	2	1513.5	0	1520.5	2
1535.5	0	1536.5	2	1710.5	0	1713.5	0	1769.5	0
1770.0	2	1771.5	0	1774.5	2	1783.5	0	1787.0	2
1796.5	4	1799.0	2	1800.0	2	1801.5	0	1805.0	0
1805.5	2	1829.0	0	1830.0	2	1830.5	0	1856.0	0
1899.5	4	1901.0	2	2043.5	4	2054.0	2	2067.5	0
2090.0	2	2090.5	0	2100.0	2	2100.5	0	2104.5	2
2105.5	4	2112.5	2	2125.0	0	2134.5	2	2135.0	0
2135.5	4	2137.0	0	2137.5	4	2138.0	2	2139.5	4
2141.0	2	2142.0	0	2146.5	2	2147.5	0	2148.0	1
2148.5	0	2151.0	1	2151.5	0	2153.5	2	2155.0	0
2155.5	2	2156.0	0	2164.0	2	2165.0	0	2171.0	2
2172.0	0	2175.0	2	2178.0	0	2183.5	2	2196.5	0
2198.5	2	2200.0	4	2202.0	0	2202.5	0	2208.0	2
2218.5	0	2232.0	2	2233.0	4	2233.5	2	2234.5	4
2225.0	2	2236.0	4	2237.0	2	2237.5	0	2251.0	2
2243.0	0	2245.5	2	2249.0	4	2249.5	4	2251.0	2
2251.5	2	2262.5	4	2263.0	2	2264.5	4	2268.0	2
2269.0	0	2270.0	2	2270.5	0	2271.0	4	2271.0	4
2274.5	2	2276.0	4	2277.0	2	2277.5	0	2278.0	2
2291.5	0	2292.0	2	2293.0	4	2293.5	0	2294.0	4
2295.5	2	2296.5	4	2297.0	2	2297.5	0	2298.0	2
2302.5	4	2307.5	2	2308.0	4	2308.5	0	2309.0	2
2314.0	2	2326.0	4	2327.0	2	2327.5	0	2328.0	4
2343.5	0	2344.0	2	2344.5	4	2345.0	0	2345.5	2
2359.5	2	2360.5	0	2361.0	4	2361.5	2	2362.0	4
2361.0	4	2365.0	2	2365.5	0	2366.0	2	2366.5	4
2371.0	2	2371.0	4	2371.5	0	2372.0	2	2372.5	4
2373.5	4	2374.0	2	2374.5	0	2375.0	4	2375.5	2
2376.0	2	2376.5	0	2377.0	4	2377.5	2	2378.0	4
2378.5	4	2379.0	2	2379.5	0	2380.0	4	2380.5	2
2381.0	2	2381.5	0	2382.0	4	2382.5	2	2383.0	4
2383.5	4	2384.0	2	2384.5	0	2385.0	4	2385.5	2
2386.0	2	2386.5	0	2387.0	4	2387.5	2	2388.0	4
2388.5	4	2389.0	2	2389.5	0	2390.0	4	2390.5	2
2391.0	2	2391.5	0	2392.0	4	2392.5	2	2393.0	4
2393.5	4	2394.0	2	2394.5	0	2395.0	4	2395.5	2
2396.0	2	2396.5	0	2397.0	4	2397.5	2	2398.0	4
2398.5	4	2399.0	2	2399.5	0	2400.0	4	2400.5	2
2401.0	2	2401.5	0	2402.0	4	2402.5	2	2403.0	4
2403.5	4	2404.0	2	2404.5	0	2405.0	4	2405.5	2
2406.0	2	2406.5	0	2407.0	4	2407.5	2	2408.0	4
2408.5	4	2409.0	2	2409.5	0	2410.0	4	2410.5	2
2411.0	2	2411.5	0	2412.0	4	2412.5	2	2413.0	4
2413.5	4	2414.0	2	2414.5	0	2415.0	4	2415.5	2
2416.0	2	2416.5	0	2417.0	4	2417.5	2	2418.0	4
2418.5	4	2419.0	2	2419.5	0	2420.0	4	2420.5	2
2421.0	2	2421.5	0	2422.0	4	2422.5	2	2423.0	4
2423.5	4	2424.0	2	2424.5	0	2425.0	4	2425.5	2
2426.0	2	2426.5	0	2427.0	4	2427.5	2	2428.0	4
2428.5	4	2429.0	2	2429.5	0	2430.0	4	2430.5	2
2431.0	2	2431.5	0	2432.0	4	2432.5	2	2433.0	4
2433.5	4	2434.0	2	2434.5	0	2435.0	4	2435.5	2
2436.0	2	2436.5	0	2437.0	4	2437.5	2	2438.0	4
2438.5	4	2439.0	2	2439.5	0	2440.0	4	2440.5	2
2441.0	2	2441.5	0	2442.0	4	2442.5	2	2443.0	4
2443.5	4	2444.0	2	2444.5	0	2445.0	4	2445.5	2
2446.0	2	2446.5	0	2447.0	4	2447.5	2	2448.0	4
2448.5	4	2449.0	2	2449.5	0	2450.0	4	2450.5	2
2451.0	2	2451.5	0	2452.0	4	2452.5	2	2453.0	4
2453.5	4	2454.0	2	2454.5	0	2455.0	4	2455.5	2
2456.0	2	2456.5	0	2457.0	4	2457.5	2	2458.0	4
2458.5	4	2459.0	2	2459.5	0	2460.0	4	2460.5	2
2461.0	2	2461.5	0	2462.0	4	2462.5	2	2463.0	4
2463.5	4	2464.0	2	2464.5	0	2465.0	4	2465.5	2
2466.0	2	2466.5	0	2467.0	4	2467.5	2	2468.0	4
2468.5	4	2469.0	2	2469.5	0	2470.0	4	2470.5	2
2471.0	2	2471.5	0	2472.0	4	2472.5	2	2473.0	4
2473.5	4	2474.0	2	2474.5	0	2475.0	4	2475.5	2
2476.0	2	2476.5	0	2477.0	4	2477.5	2	2478.0	4
2478.5	4	2479.0	2	2479.5	0	2480.0	4	2480.5	2
2481.0	2	2481.5	0	2482.0	4	2482.5	2	2483.0	4
2483.5	4	2484.0	2	2484.5	0	2485.0	4	2485.5	2
2486.0	2	2486.5	0	2487.0	4	2487.5	2	2488.0	4
2488.5	4	2489.0	2	2489.5	0	2490.0	4	2490.5	2
2491.0	2	2491.5	0	2492.0	4	2492.5	2	2493.0	4
2493.5	4	2494.0	2	2494.5	0	2495.0	4	2495.5	2
2496.0	2	2496.5	0	2497.0	4	2497.5	2	2498.0	4
2498.5	4	2499.0	2	2499.5	0	2500.0	4	2500.5	2
2501.0	2	2501.5	0	2502.0	4	2502.5	2	2503.0	4
2503.5	4	2504.0	2	2504.5	0	2505.0	4	2505.5	2
2506.0	2	2506.5	0	2507.0	4	2507.5	2	2508.0	4
2508.5	4	2509.0	2	2509.5	0	2510.0	4	2510.5	2
2511.0	2	2511.5	0	2512.0	4	2512.5	2	2513.0	4
2513.5	4	2514.0	2	2514.5	0	2515.0	4	2515.5	2
2516.0	2	2516.5	0	2517.0	4	2517.5	2	2518.0	4
2518.5	4	2519.0	2	2519.5	0	2520.0	4	2520.5	2
2521.0	2	2521.5	0	2522.0	4	2522.5	2	2523.0	4
2523.5	4	2524.0	2	2524.5	0	2525.0	4	2525.5	2
2526.0	2	2526.5	0	2527.0	4	2527.5	2	2528.0	4
2528.5	4	2529.0	2	2529.5	0	2530.0	4	2530.5	2
2531.0	2	2531.5	0	2532.0	4	2532.5	2	2533.0	4
2533.5	4	2534.0	2	2534.5	0	2535.0	4	2535.5	2
2536.0	2	2536.5	0	2537.0	4	2537.5	2	2538.0	4
2538.5	4	2539.0	2	2539.5	0	2540.0	4	2540.5	2
2541.0	2	2541.5	0	2542.0	4	2542.5	2	2543.0	4
2543.5	4	2544.0	2	2544.5	0	2545.0	4	2545.5	2
2546.0	2	2546.5	0	2547.0	4	2547.5	2	2548.0	4
2548.5	4	2549.0	2	2549.5	0	2550.0	4	2550.5	2
2551.0	2	2551.5	0	2552.0	4	2552.5	2	2553.0	4
2553.5	4	2554.0	2	2554.5	0	2555.0	4	2555.5	2
2556.0	2	2556.5	0	2557.0	4	2557.5	2	2558.0	4
2558.5	4	2559.0	2	2559.5	0	2560.0	4	2560.5	2
2561.0	2	2561.5	0	2562.0	4	2562.5	2	2563.0	4
2563.5	4	2564.0	2	2564.5	0	2565.0	4	2565.5	2
2566.0	2	2566.5	0	2567.0	4	2567.5	2	2568.0	4
2568.5	4	2569.0	2	2569.5	0	2570.0	4	2570.5	2
2571.0	2	2571.5	0	2572.0	4	2572.5	2	2573.0	4
2573.5	4	2574.0	2	2574.5	0	2575.0	4	2575.5	2
2576.0	2	2576.5	0	2577.0	4	2577.5	2	2578.0	4
2578.5	4	2579.0	2	2579.5	0	2580.0	4	2580.5	2
2581.0	2	2581.5	0	2582.0	4	2582.5	2	2583.0	4
2583.5	4	2584.0	2	2584.5	0	2585.0	4	2585.5	2
2586.0	2	2586.5	0	2587.0	4	2587.5	2	2588.0	4
2588.5	4	2589.0	2	2589.5	0	2590.0	4	2590.5	2
2591.0	2	2591.5	0	2592.0	4	2592.5	2	2593.0	4
2593.5	4	2594.0	2	2594.5	0	2595.0	4	2595.5	2
2596.0	2	2596.5	0	2597.0	4	2597.5	2	2598.0	4
2598.5	4	2599.0	2	2599.5	0	2600.0	4	2600.5	2
2601.0	2	2601.5	0	2602.0	4	2602.5	2	2603.0	4
2603.5	4	2604.0	2	2604.5	0	2605.0	4	2605.5	2
2606.0	2	2606.5	0	2607.0	4	2607.5	2	2608.0	4
2608.5	4	2609.0	2	2609.5	0	2610.0	4	2610.5	2
2611.0	2	2611.5	0	2612.0	4	2612.5	2	2613.0	4
2613.5	4	2614.0	2	2614.5	0	2615.0	4	2615.5	2
2616.0	2	2616.5	0	2617.0	4	2617.5	2	2618.0	4
2618.5	4	2619.0	2	2619.5	0	2620.0	4	2620.5	2
2621.0	2	2621.5	0	2622.0	4	2622.5	2	2623.0	4
2623.5	4	2624.0	2	2624.5	0	2625.0	4	2625.5	2
2626.0	2	2626.5	0	2627.0	4	2627.5	2	2628.0	4
2628.5	4	2629.0	2	2629.5	0	2630.0	4	2630.5	2
2631.0	2	2631.5	0	2632.0	4	2632.5	2	2633.0	4
2633.5	4	2634.0	2	2634.5	0	2635.0	4	2635.5	2
2636.0	2	2636.5	0	2637.0	4	2637.5	2	2638.0	4

FROM - NORTH STATION  
TO - HAYMARKET  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
2727.5	6	2731.5	1	2732.0	2	2739.5	b
2740.5	1	2755.0	3	2760.5	1	2767.0	1
2782.0	4	2783.0	0	2784.5	1	2796.0	2
						2811.0	4

Figure 29 North Station to Haymarket Data (cont'd)

FROM - NORTH STATION  
TO - HAYMARKET  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
38.5	1	56.224	46.5	4	57.511	130.0	1	56.245
152.5	1	56.185	166.0	1	56.237	185.0	1	56.246
191.0	1	56.187	200.0	4	57.515	299.5	4	57.702
302.5	4	57.307	314.0	1	56.190	315.0	4	57.635
323.0	1	56.147	354.0	4	57.300	752.5	4	57.323
877.5	4	57.610	881.5	4	57.370	899.0	4	57.257
903.0	4	57.378	904.5	4	57.295	916.5	4	57.433
936.0	4	57.251	947.0	4	57.346	948.0	4	57.278
952.5	4	57.377	980.0	4	57.701	990.0	4	57.358
996.5	4	57.359	1432.5	4	57.619	1053.5	4	57.336
1064.0	4	57.250	1796.5	4	57.444	1001.0	4	57.355
1899.5	4	57.555	2043.5	4	57.642	2100.5	4	57.361
2137.0	6	58.183	2171.5	4	57.452	2171.5	1	57.361
2151.0	1	58.216	2443.0	4	57.311	2443.0	4	57.306
2224.5	4	57.293	2443.0	4	57.279	2443.0	4	57.279
2251.0	4	57.325	2443.0	4	57.279	2443.0	4	57.279
2274.0	4	57.395	2443.0	4	57.279	2443.0	4	57.279
2295.0	4	57.304	2443.0	4	57.279	2443.0	4	57.279
2306.0	4	57.337	2443.0	4	57.279	2443.0	4	57.279
2355.0	4	57.336	2714.0	4	57.584	2714.0	4	57.584
2712.0	6	58.305	2714.0	6	58.305	2714.0	6	58.305
2726.0	5	57.300	2726.0	5	57.300	2726.0	5	57.300
2750.0	3	58.310	2750.0	3	58.310	2750.0	3	58.310

Figure 29 North Station to Haymarket Data (cont'd)



FROM - NORTH STATION  
TO - HAYMARKET

GAISE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCUPANCES	TOTAL FT.
6	59.00	57.75	1.45	9	40.5
4	57.75	57.25	14.68	56	411.0
2	57.25	57.00	23.45	132	656.5
0	57.00	56.25	58.32	90	1633.0
1	56.25	56.00	0.89	14	25.0
3	56.00	-99.00	1.21	2	11.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+3	56.00	57.75	97.34
0+1+2	3	56.00	57.00	82.87
0+1	4	56.00	57.00	99.34
6+3	BELOW STANDARD	56.00	57.75	2.66

Figure 29 North Station to Haymarket Data (cont'd)



FROM - HAYMARKET  
TO - GOVERNMENT CENTER  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
11.0	0	13.0	2	14.5	4	15.5	2	17.0	0
22.0	2	33.0	0	36.5	2	37.0	4	38.0	2
38.5	4	39.5	2	40.5	4	41.5	0	42.0	0
45.0	2	57.5	0	60.0	2	63.5	4	64.0	2
65.5	4	66.0	2	67.0	4	67.5	2	68.5	4
82.0	2	83.5	0	84.0	2	85.0	0	88.5	4
90.0	2	106.0	0	108.5	2	109.0	4	110.0	2
110.5	4	111.0	2	113.5	0	115.5	4	117.0	4
118.0	2	119.5	4	122.5	2	123.5	4	128.5	2
140.0	4	144.5	2	457.0	0	457.5	2	458.0	0
458.5	2	459.0	2	466.0	2	469.0	4	473.0	2
483.0	0	486.5	2	515.5	4	528.5	2	532.5	4
535.0	2	536.5	4	538.0	2	539.0	4	539.5	2
555.5	4	559.0	2	562.0	0	571.5	2	622.5	4
630.5	2	641.5	0	645.5	2	646.0	0	650.5	2
554.5	4	657.0	2	686.5	2	687.0	2	687.5	0
699.0	2	701.5	0	702.0	1	723.5	0	736.5	2
782.5	0	784.5	2	973.5	2	977.5	2	993.5	0
997.0	2	1016.5	4	1047.5	4	1061.5	4	1064.5	2
1128.5	0	1131.0	1	1171.5	2	1173.0	0	1173.5	1
1137.5	0	1138.0	2	1169.5	0	1183.0	2	1199.5	4
1202.5	2	1211.0	4	1270.5	4	1281.0	2	1281.5	2
1244.0	4	1255.5	2	1264.5	2	1265.0	2	1265.5	4
1376.5	2	1295.5	4	1295.5	4	1297.5	4	1297.5	2
1301.0	0	1331.5	1	1302.0	0	1301.5	4	1301.5	2
1303.5	1	1304.0	2	1308.0	0	1303.5	2	1303.5	4
1315.5	4	1316.0	2	1318.0	2	1319.5	4	1321.0	6
1321.0	4	1321.5	2	1322.5	2	1323.0	1	1323.5	0
1324.0	4	1325.0	0	1326.0	1	1329.0	0	1329.5	2

Figure 30 Haymarket to Government Center Data

FROM - HAYMARKET  
TO - GOVERNMENT CENTER  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1330.0	1	1330.5	2	1331.5	1	1332.0	0	1334.5	1
1335.5	0	1336.0	2	1340.0	0	1350.0	2	1345.5	1
1362.5	0	1363.5	2	1427.5	0	1432.5	2	1438.5	4
1449.0	2	1449.5	0	1473.5	2	1484.5	1	1484.0	5
1498.0	0	1504.5	2	1510.0	1	1510.5	1	1511.5	4
1512.0	2	1513.0	4	1522.0	2	1528.5	0	1538.0	2
1534.0	0	1542.0	2	1544.0	4	1545.0	2	1545.5	4
1548.5	2	1550.0	4	1550.5	2	1555.5	4	1561.5	1
1583.5	1	1604.0	2	1605.0	1	1605.5	2	1612.5	1
1618.0	2	1636.5	4	1637.0	2	1638.5	0	1639.0	2
1641.5	4	1642.0	2	1650.5	4	1674.0	2	1678.5	4
1701.5	1	1710.5	4	1720.5	2	1723.0	1	1724.5	1
1745.5	1	1749.5	2	1750.5	1	1754.5	2	1757.0	4
1764.0	2	1768.5	0	1772.5	2	1777.5	1		

Figure 30 Haymarket to Government Center Data (cont'd)

FROM - HAYMARKET  
TO - GOVERNMENT CENTER  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
14.5	4	57.349	37.0	4	57.256	38.5	4	57.262
40.5	4	57.350	63.5	4	57.352	65.5	4	57.315
67.0	4	57.297	88.5	4	57.297	88.5	4	57.366
109.0	4	57.269	110.5	4	57.264	117.0	4	57.292
119.5	4	57.330	123.5	4	57.260	140.0	4	57.300
469.0	4	57.323	515.5	4	57.674	522.5	4	57.300
536.5	4	57.269	584.0	4	57.269	596.5	4	57.260
622.5	4	57.686	634.5	4	57.400	647.0	1	57.260
1016.5	4	57.500	1061.5	4	57.640	1131.0	1	57.115
1134.0	1	56.147	1193.0	4	57.513	1211.0	4	57.917
1221.0	4	57.264	1241.0	4	57.455	1264.5	4	57.110
1266.0	4	57.264	1287.5	4	57.484	1297.5	4	57.915
1301.5	1	56.238	1301.5	4	57.475	1303.5	1	57.110
1315.5	4	57.543	1321.5	6	57.875	1323.0	1	57.110
1321.0	4	57.276	1321.0	1	56.168	1330.0	1	57.110
1331.5	1	56.027	1331.5	1	57.110	1353.5	1	57.110
1438.5	4	57.340	1481.5	4	57.506	1510.0	4	57.300
1511.5	4	57.270	1517.0	4	57.275	1544.0	4	57.300
1545.5	4	57.277	1561.0	4	57.265	1566.5	4	57.300
1583.5	4	57.617	1601.0	4	57.378	1612.5	4	57.300
1636.5	4	57.451	1641.5	4	57.305	1659.5	1	57.300
1678.5	4	57.320	1710.5	4	57.315	1723.0	4	57.300
1745.5	4	57.330	1750.5	4	57.266	1757.0	1	57.300
1777.5	4	57.454						

Figure 30 Haymarket to Government Center Data (cont'd)

FROM - HAYMARKET TO - GOVERNMENT CENTER GRADE					
ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.06	1	1.0
4	57.75	57.25	21.25	60	382.5
2	57.25	57.00	26.31	95	473.5
0	57.00	56.25	51.50	47	927.0
1	56.25	56.00	0.89	11	16.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.94
0+1+2	3	56.00	57.25	78.69
0+1	4	56.00	57.00	73.73
6+3	BELOW STDND	56.00	57.75	0.06

Figure 30 Haymarket to Government Center Data (cont'd)

FROM - GOVERNMENT CENTER  
TO - PARK  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
3.5	0	4.0	1	13.5	0	14.0	2	17.5	0
30.5	2	47.0	4	47.5	4	48.0	4	49.5	2
50.0	4	50.5	2	59.0	4	79.5	2	92.0	4
103.5	2	112.5	4	113.0	2	114.0	4	125.0	2
133.5	4	143.0	2	143.5	4	144.0	2	145.5	4
148.0	2	150.0	0	150.5	4	151.0	2	151.5	1
152.0	2	152.5	1	156.0	0	156.5	2	157.5	0
163.5	4	164.0	2	166.0	0	167.5	4	168.5	6
169.0	4	169.5	2	171.5	0	172.0	2	173.0	0
176.0	1	177.5	0	178.0	1	178.5	2	179.5	1
180.0	0	182.5	1	183.0	0	184.0	2	185.5	0
186.0	1	190.0	0	190.5	1	196.0	0	196.5	4
198.0	2	201.5	1	210.5	0	211.5	2	275.5	0
280.5	2	286.5	4	321.5	2	338.5	4	331.5	2
346.0	0	352.5	2	358.0	4	358.5	2	359.5	4
360.0	2	361.0	4	370.0	2	376.5	0	381.0	2
382.0	0	390.0	2	392.0	4	393.0	2	393.5	4
396.5	2	397.5	4	398.5	2	405.0	4	409.5	2
420.0	4	430.5	2	431.5	4	452.0	2	457.0	4
457.5	2	459.0	4	459.5	2	460.5	1	465.0	3
485.0	4	487.0	0	489.5	4	490.0	2	507.5	4
522.0	2	526.5	4	548.5	2	558.5	4	568.5	2
571.0	4	577.5	2	596.5	4	598.0	2	598.5	4
602.5	2	605.0	4	612.0	2	616.5	0	620.5	2
625.5	4	671.5	2	697.0	0	729.0	2	766.0	0
770.5	2	826.5	0	830.0	2	833.5	0	836.5	2
837.0	0	852.0	2	960.0	4	970.0	2	972.0	4
985.5	0	1047.0	0	1057.5	2	1152.0	0	1153.0	2
1166.0	0	1179.5	2	1212.0	4	1213.0	2	1213.5	4

Figure 31 Government Center to Park Data

FROM - GOVERNMENT CENTER  
TO - PARK  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1218.0	2	1241.5	4	1247.0	2	1247.5	0	1248.5	2
1250.5	0	1254.5	2	1255.0	0	1255.5	2	1259.5	0
1262.0	1	1262.5	0	1263.0	2	1264.0	0	1265.0	2
1265.5	0	1280.5	2	1295.0	0	1304.0	0	1304.5	0
1305.0	2	1306.0	0	1306.0	2	1307.5	0	1309.0	1
1327.0	0	1332.0	2	1340.0	4	1353.5	2	1358.5	4
1360.0	2	1363.5	0	1365.5	2	1366.0	0	1391.5	2
1402.0	0	1404.5	2	1408.5	0	1410.5	2	1411.0	0
1411.5	1	1415.5	0	1417.5	2	1418.0	1	1431.5	0
1432.5	2	1438.0	0	1455.0	2	1466.0	0	1469.5	2
1471.0	0	1474.0	2	1489.5	4	1500.5	2	1514.5	4
1516.5	2	1517.0	0	1519.5	2	1523.0	0	1530.0	2
1532.5	0	1535.0	2	1535.5	0	1537.5	2	1539.0	0
1539.5	2	1544.0	0	1546.0	2	1547.0	0	1549.5	2
1550.5	0	1551.0	2	1551.5	0	1552.0	2	1553.5	0
1554.5	2	1555.0	0	1555.5	2	1556.0	0	1562.5	2
1565.5	0	1566.0	2	1573.0	0	1580.0	2	1595.5	0
1596.0	2	1599.0	4	1610.5	0	1611.0	0	1623.5	2
1625.5	4	1626.0	2	1627.5	4	1631.0	2	1640.0	4
1641.0	2	1642.0	1	1651.0	1	1651.5	1	1652.0	0
1652.5	1	1656.0	0	1666.0	2	1676.5	4	1699.5	2
1700.0	0	1700.5	1	1707.5	4	1708.0	4	1709.0	1
1711.0	2	1713.5	2	1714.5	4	1715.5	2	1716.0	1
1722.0	4	1722.5	4	1723.0	2	1723.5	4	1724.0	2
1727.5	4	1728.0	2	1744.0	4	1744.5	2	1745.0	4
1746.5	2	1756.0	4	1760.0	2	1780.5	0	1781.0	4
1782.5	2	1783.5	4	1785.0	2	1785.5	4	1786.0	1
1789.0	0	1789.5	4	1790.0	2	1797.0	0	1798.0	1
1805.5	0	1809.5	2	1843.5	0	1847.5	2	1848.0	0

Figure 31 Government Center to Park Data (cont'd)



FROM - GOVERNMENT CENTER  
TO - PARK  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1851.0	1	2108.5	0	2125.0	2	2145.0	0
2191.5	0	2193.0	1	2207.5	0	2209.0	1
2315.0	1	2317.5	0	2323.0	2	2344.0	0
2366.0	0	2369.0	1	2371.0	0	2372.0	2
2378.0	2	2379.0	0	2380.0	4	2380.5	5
2383.0	0	2385.5	1	2384.5	0	2387.0	2
2391.5	2	2382.0	1	2382.5	6	2385.5	2
2396.5	1	2397.0	0	2398.0	1	2399.0	4
						2399.5	0
						2400.0	0
						2400.5	0
						2401.0	0
						2401.5	0
						2402.0	0
						2402.5	0
						2403.0	0
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						2521.0	0
						2521.5	0
						2522.0	0
						2522.5	0
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FROM - GOVERNMENT CENTER  
TO - PARK  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
4.0	1	56.205	47.0	4	57.511	48.0	4	57.250
50.0	4	57.250	59.0	4	57.367	92.0	4	57.425
112.5	4	57.439	114.0	4	57.262	137.5	4	57.485
143.5	4	57.252	145.5	4	57.258	150.5	4	57.462
151.5	1	56.194	152.5	1	56.216	163.5	4	57.515
168.5	6	57.921	176.0	1	56.188	178.0	1	56.191
179.5	1	56.055	182.5	1	56.114	186.0	1	56.221
190.5	1	56.240	196.5	4	57.285	201.5	1	56.112
286.5	4	57.339	338.5	4	57.546	358.0	4	57.337
359.5	4	57.269	361.0	4	57.267	392.0	4	57.276
393.5	4	57.272	397.5	4	57.261	405.0	4	57.471
420.0	4	57.406	431.5	4	57.625	457.0	4	57.318
459.0	4	57.292	460.5	4	57.276	485.0	4	57.449
489.5	4	57.306	507.5	4	57.364	536.5	4	57.326
558.5	4	57.315	571.0	4	57.291	593.5	4	57.390
598.5	4	57.256	605.0	4	57.289	635.5	4	57.354
960.0	4	57.610	972.0	4	57.379	1212.0	4	57.413
1213.5	4	57.253	1241.5	4	57.613	1262.0	1	56.134
1309.0	1	56.136	1340.0	4	57.337	1366.5	4	57.382
1411.5	1	56.237	1418.0	1	57.228	1459.5	4	57.499
1514.5	4	57.719	1536.0	4	57.391	1625.5	4	57.729
1627.5	4	57.507	1640.0	4	57.372	1642.0	1	56.148
1651.5	1	56.127	1659.5	1	57.142	1676.5	4	57.788
1700.5	1	56.134	1740.0	1	57.255	1711.0	4	57.761
1714.5	4	57.394	1718.0	4	57.388	1727.5	4	57.776
1733.5	4	57.293	1737.5	1	57.307	1744.0	4	57.421
1746.0	4	57.298	1753.0	1	57.185	1759.5	4	57.545
1785.5	4	57.417	1795.0	1	56.242	1788.5	4	57.570
1790.5	1	56.173	1851.0	1	56.137	2195.0	1	56.076

Figure 31 Government Center to Park Data (cont'd)

FROM - GOVERNMENT CENTER  
TO - PARK  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
2308.0	1	56.240	2315.0	1	56.138	2389.0	1	56.127
2315.0	4	57.514	2380.5	6	57.759	2383.5	1	56.204
2388.5	4	57.366	2392.5	6	57.894	2396.5	1	56.122
2398.0	1	56.134						

Figure 31 Government Center to Park Data (cont'd)

FROM - GOVERNMENT CENTER  
TO - PARK  
GAUGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.15	4	3.5
4	57.75	57.25	21.48	72	515.5
2	57.25	57.00	29.83	131	716.0
0	57.00	56.25	46.85	93	1124.5
1	56.25	56.00	1.69	29	40.5
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.85
0+1+2	3	56.00	57.25	78.37
0+1	4	56.00	57.00	48.51
6+3	BELOW STANDARD	56.00	57.75	0.15

Figure 31 Government Center to Park Data (cont'd)

FROM - PARK  
TO - BOYLSTON  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
6.0	0	9.5	4	20.5	2	21.5	0	33.0	2
36.0	4	36.5	2	37.5	4	41.5	2	50.5	4
51.0	2	51.5	0	52.0	1	61.0	0	63.0	1
66.0	0	76.0	2	87.0	4	103.5	2	104.0	0
104.5	1	111.5	2	113.5	4	113.0	2	115.0	4
117.5	2	118.0	4	119.0	2	120.0	4	127.0	2
127.5	4	128.5	2	148.0	4	148.5	2	176.5	4
181.0	2	181.5	1	182.0	4	183.5	6	184.0	4
186.0	0	186.5	2	187.0	4	187.5	1	190.0	0
190.5	2	197.0	0	199.5	1	206.5	0	210.5	2
244.0	0	248.0	2	249.5	0	251.5	1	278.5	0
479.0	1	509.5	0	526.5	2	546.5	2	555.0	2
592.5	0	594.0	1	708.5	0	716.0	1	718.5	0
722.0	2	722.5	0	733.5	2	750.0	2	755.0	2
766.5	0	770.0	1	773.0	0	772.5	2	776.0	4
779.0	2	779.5	0	782.0	4	784.5	1	785.0	4
787.5	2	789.5	4	792.0	2	793.0	0	793.5	6
794.5	4	795.0	2	795.5	0	797.0	1	797.5	0
798.0	3	798.5	1	799.0	0	799.5	1	800.0	0
802.0	1	802.5	4	803.0	6	803.5	2	805.5	4
806.0	2	806.5	4	807.0	0	808.0	0	810.0	0
811.5	6	812.0	4	812.5	6	813.0	4	815.5	6
816.0	4	816.5	2	817.5	4	819.5	2	823.0	0
824.5	2	827.0	0	827.5	2	828.0	4	838.5	4
843.5	0	845.0	2	848.5	4	850.0	5	853.0	4
863.5	6	871.0	4	873.0	2	942.5	0	946.0	2
958.0	0	962.5	2	1045.0	0	1061.5	0	1070.5	0
1075.0	2	1076.5	0	1085.5	2	1088.0	4	1089.0	2
1115.0	0	1122.5	2	1153.0	0	1154.0	2	1278.0	0

Figure 32 Park to Boylston Data

FROM - PARK  
TO - BOYLSTON  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1278.5	1	1464.5	0	1465.5	2	1471.0	0	1474.0	2
1492.5	4	1493.0	2	1502.5	4	1508.5	2	1508.5	4
1511.0	2	1511.5	4	1513.0	2	1513.5	4	1514.0	2
1518.0	4	1530.0	2	1531.5	0	1546.5	2	1563.0	0
1564.0	2	1564.5	0	1569.0	2	1575.5	0	1576.0	1
1576.5	2	1577.0	6	1578.0	2	1579.5	0	1580.0	1
1581.0	0	1581.5	2	1583.5	0	1590.0	1	1595.0	0
1597.5	2	1702.0	0	1704.5	2	1721.0	4	1724.0	2
1733.5	0	1740.0	2	1740.5	2	1754.5	2	1762.5	0
1800.0	2	1800.5	1	1801.5	0	1820.0	2	1831.0	4
1864.5	2	1871.5	4	1929.5	2	1935.5	4	1946.5	2

Figure 32 Park to Boylston Data (cont'd)

FROM - PARK  
TO - BOYLSTON  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
9.5	4	57.625	36.0	4	57.358	37.5	4	57.481
50.5	4	57.371	52.0	1	56.135	63.0	1	56.049
87.0	4	57.561	104.5	1	56.071	112.5	4	57.279
115.0	4	57.489	118.0	4	57.265	120.0	4	57.271
127.5	4	57.256	148.0	4	57.420	176.5	4	57.167
181.5	1	56.222	183.5	6	57.915	187.0	4	57.267
187.5	1	56.213	199.5	1	56.109	251.5	1	56.082
479.0	1	56.073	594.0	1	56.056	716.0	1	56.101
770.0	1	56.084	776.0	4	57.531	782.0	4	57.746
784.5	1	56.162	789.5	4	57.525	793.5	6	57.948
797.0	1	56.071	798.0	3	55.994	799.5	6	56.184
802.0	1	56.071	803.0	6	57.992	805.5	4	57.642
806.5	4	57.251	811.5	6	58.145	812.5	6	57.793
813.5	6	57.839	817.5	4	57.376	828.5	4	57.279
850.0	6	57.789	863.5	6	57.819	1028.0	4	57.282
1278.5	1	56.248	1492.5	4	57.569	1502.5	4	57.394
1509.5	4	57.230	1511.5	4	57.287	1513.5	4	57.372
1518.0	4	57.431	1576.0	1	56.044	1577.0	6	57.901
1580.0	1	56.193	1590.0	1	56.077	1721.0	4	57.593
1800.5	1	56.230	1838.0	4	57.506	1871.5	4	57.331
1935.5	4	57.276						

Figure 32 Park to Boylston Data (cont'd)

FROM - PARK  
TO - BOYLSTON  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.38	9	7.5
4	57.75	57.25	10.32	41	206.5
2	57.25	57.00	21.80	70	435.0
0	57.00	56.25	65.62	58	1312.5
1	56.25	56.00	1.85	21	37.0
3	56.00	-99.00	0.03	1	0.5

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.60
0+1+2	3	56.00	57.25	39.37
0+1	4	56.00	57.00	7.47
6+3	BELOW STDFT	56.00	57.75	0.40

Figure 32 Park to Boylston Data (cont'd)



FROM - BOYLSTON  
TO - ARLINGTON  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
5.5	1	9.0	0	11.0	2	13.5	0	22.5	2		
39.5	0	44.5	2	56.5	0	59.5	1	61.5	0		
62.5	2	65.5	4	68.5	2	69.5	0	71.5	4		
72.5	0	74.5	1	75.0	0	77.5	2	79.0	4		
82.0	2	82.5	0	83.0	6	84.0	4	84.5	2		
85.0	0	88.5	1	89.5	0	91.5	1	92.0	0		
92.5	6	93.5	4	94.0	2	96.0	0	96.5	0		
97.0	2	99.5	0	101.0	6	101.5	4	102.0	6		
102.5	4	103.0	6	105.5	4	106.5	2	107.0	4		
109.0	2	112.5	0	113.5	2	114.0	0	114.5	2		
116.5	0	117.0	2	117.5	0	118.0	4	118.5	2		
133.5	0	135.0	2	138.0	4	139.5	6	152.5	4		
153.0	6	160.5	4	163.5	2	232.0	0	235.0	2		
236.5	0	237.0	2	248.0	0	252.0	2	335.0	0		
351.0	2	360.5	0	364.5	2	366.0	0	375.0	2		
377.5	4	388.5	2	405.0	0	412.0	2	567.5	0		
568.0	1	754.0	0	755.0	2	760.5	0	761.0	2		
761.5	0	764.0	2	782.0	4	782.5	2	786.0	4		
786.5	2	791.5	4	797.0	2	798.0	4	800.0	2		
800.5	4	802.0	2	803.0	4	803.5	2	807.5	4		
811.0	2	811.5	4	819.5	2	821.0	0	836.0	2		
852.5	0	853.5	2	854.0	0	858.5	2	865.0	0		
865.5	1	865.0	6	865.5	4	867.5	2	868.0	1		
868.5	2	869.0	1	870.0	4	871.0	2	871.5	1		
872.5	0	879.0	1	884.5	0	887.0	2	951.5	0		
994.0	2	1010.0	4	1013.0	2	1023.0	2	1043.5	2		
1051.5	0	1089.5	2	1090.5	0	1109.5	4	1137.5	4		
1153.5	2	1161.0	2	1218.5	2	1235.0	4	1234.5	2		
1357.0	0	1361.0	1	1655.5	0	1670.0	2	1602.0	0		

Figure 33 Boylston to Arlington Data

FROM - BOYLSTON  
TO - TOWN

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1884.5	2	1820.5	0	1890.5	2	1892.5	4	1896.5	2
1697.0	4	1705.0	2	1705.5	0	1712.0	2	1730.0	0
1731.0	2	1756.5	0	1737.0	1	1741.5	0	1754.0	2
1762.0	0	1769.0	2	1769.5	0	1774.5	2	1776.5	0
1785.0	2	1795.5	0	1796.0	2	1801.5	0	1802.5	2
1803.0	0	1804.0	2	1804.5	0	1805.0	2	1806.5	0
1813.5	2	1832.0	0	1836.5	2	1840.5	0	1841.0	1
1844.0	0	1846.5	1	1854.0	0	1856.5	2	1857.0	0
1860.5	2	1862.0	0	1863.5	1	1868.0	2	1868.5	0
1869.0	4	1869.5	6	1870.0	4	1870.5	2	1871.5	4
1872.0	2	1872.5	0	1875.5	1	1878.5	0	1879.0	2
1880.0	0	1881.0	2	1881.5	0	1882.0	2	1884.5	0
1885.5	1	1888.5	2	1889.0	0	1890.0	2	1892.5	0
1893.5	2	1895.5	0	1896.5	1	1897.0	2	1903.0	0
1923.5	2	1924.0	0	1930.5	2	1931.0	0	1932.0	2
1932.5	0	1933.0	2	1965.0	0	1970.5	2	1972.5	0
1981.5	2	1982.0	0	1983.0	1	1994.5	0	2000.5	0
2100.5	0	2103.0	1	2213.0	0	2219.5	2	2230.5	2
2341.0	2	2691.5	0	2692.0	2	2697.0	0	2701.5	2
3004.0	4	3009.5	2	3047.5	0	3050.0	2	3122.5	0
3127.5	2	3177.0	0	3178.0	2	3201.0	0	3204.0	2
3220.0	0	3223.5	2	3225.0	0	3257.0	2	3257.5	0
3276.0	2	3304.0	0	3304.5	2	3307.5	0	3310.7	2
3315.0	0	3320.0	2	3320.5	0	3325.0	2	3325.5	0
3371.0	2	3408.5	0	3409.0	2	3504.0	0	3504.5	2
3538.0	4	3543.0	2	3543.5	0	3544.0	2	3544.5	2

Figure 33 Boylston to Arlington Data (cont'd)

FROM - BOYLSTON  
TO - ARLINGTON  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
5.5	1	56.077	59.5	1	56.073	65.5	4	57.507
71.5	4	57.749	74.5	1	56.138	79.0	4	57.335
83.0	6	57.924	88.5	1	56.035	91.5	1	56.064
92.5	6	57.972	96.0	4	57.604	101.0	6	58.068
102.0	6	57.819	103.0	6	57.837	107.0	4	57.880
110.0	4	57.256	139.5	6	57.782	153.0	6	57.785
377.5	4	57.276	568.0	1	56.202	782.0	4	57.563
786.0	4	57.342	791.5	4	57.360	798.0	4	57.267
800.5	4	57.220	803.0	4	57.277	807.5	4	57.414
811.5	4	57.252	866.0	6	57.525	868.0	1	56.129
869.0	1	56.171	871.5	1	56.184	879.0	1	56.075
1010.0	4	57.597	1127.5	4	57.504	1161.0	4	57.334
1225.0	4	57.275	1361.0	1	56.027	1692.5	4	57.262
1697.0	4	57.256	1737.0	1	56.247	1841.0	1	56.246
1846.5	1	56.136	1863.5	1	56.187	1869.5	6	57.999
1871.5	4	57.307	1875.5	1	56.077	1885.5	1	56.229
1896.5	1	56.127	1989.0	1	56.077	2103.0	1	56.149
3004.0	4	57.279	3543.5	4	57.311	3545.5	4	57.253

Figure 33 Boylston to Arlington Data (cont'd)

FROM - BOYLSTON  
TO - ARLINGTON  
GAUGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.18	9	6.5
4	57.75	57.25	3.67	36	132.0
2	57.25	57.00	16.32	110	587.5
0	57.00	56.25	78.49	100	2825.5
1	56.25	56.00	1.35	21	48.5
3	56.00	-59.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.82
0+1+2	3	56.00	57.25	96.15
0+1	4	56.00	57.00	79.83
6+3	BELOW STANDARD	56.00	57.75	0.18

Figure 33 Boylston to Arlington Data (cont'd)

FROM - ARLINGTON  
TO - COPLEY  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
83.0	0	84.5	2	387.5	0	392.0	2	394.0	1
400.0	2	434.0	0	440.0	2	515.0	1	519.0	2
591.0	0	600.0	2	610.5	0	624.0	2	636.0	0
647.0	2	648.0	0	665.0	2	674.5	0	694.0	2
695.0	0	700.5	2	705.0	0	710.0	2	730.0	0
738.5	2	753.0	0	761.5	2	850.0	0	858.0	2
894.0	0	903.0	2	929.0	0	932.0	2	934.0	1
935.5	2	956.0	4	944.5	2	1002.0	0	1006.5	2
1007.5	0	1010.0	2	1011.0	0	1011.5	2	1052.5	0
1062.5	2	2208.5	0	2235.0	2	2235.0	4	2236.5	2
2240.5	0	2246.5	2						

Figure 34 Arlington to Copley Data

FROM - ARLINGTON  
TO - COPLEY  
GAGE

PAGE B 1

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
394.0	4	57.278	934.0	4	57.317	936.0	4	57.262
2235.0	4	57.417						

Figure 34 Arlington to Copley Data (cont'd)

FROM - ARLINGTON  
TO - COPLEY  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	59.00	57.75	0.00	0	0.0
4	57.75	57.25	0.60	4	14.5
2	57.25	57.00	7.31	26	175.5
0	57.00	56.25	92.08	22	2210.0
1	56.25	56.00	0.00	0	0.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IPT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	99.40
0+1	4	56.00	57.00	92.08
6+3	BELOW STANDARD	56.00	57.75	0.00

Figure 34 Arlington to Copley Data (cont'd)





FROM - COPLEY  
TO - AUDITORIUM  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
964.0	0	991.0	2	990.5	4	994.5	2	996.5	0
1002.5	2	1253.0	0	1261.5	2	1255.0	0	1295.5	1
1363.0	0	1366.0	2	1553.0	0	1556.0	2	1587.0	0
1587.5	2	1588.0	4	1589.5	2	1590.0	4	1598.0	2
1612.5	0	1623.5	2	1625.0	4	1627.0	2	1911.0	0
1914.0	1	2162.0	0	2162.5	1	2116.5	0	2434.0	2
2515.0	0	2516.5	1	2674.5	0	2675.0	1	2989.0	0
2998.0	2	3016.5	0	3017.5	2	3044.0	0	3051.5	2
3052.0	0	3052.5	2	3053.0	0	3053.5	2	3057.5	0
3107.0	2	3117.5	0	3131.5	2	3140.5	4	3144.5	2
3162.0	0	3196.5	2	3197.0	4	3197.5	2	3204.0	4
3204.5	2	3205.0	4	3214.0	2	3214.5	4	3227.5	2
3231.0	4	3236.5	2	3241.0	0	3267.5	2	3284.5	4
3305.0	2	3358.0	4	3364.0	2	3369.5	4	3373.0	2
3383.0	4	3388.0	2	3371.5	0	3381.0	2	3381.5	0
3387.5	1	3389.0	0	3393.5	2	3390.5	0	3392.5	1
3393.0	0	3397.0	2	3508.0	0	3508.5	1	3510.5	0
3511.5	1	3512.0	0	3513.5	2	3516.0	0	3523.5	1
3524.0	0	3527.0	2	3523.5	0	3529.0	1	3529.5	0
3544.5	1	3550.0	0	3552.0	1	4169.5	0	4173.5	1
4517.0	0	4517.5	1						

Figure 35 Copley to Auditorium Data

FROM - COPLEY  
TO - AUDITORIUM  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
990.5	4	57.412	1237.5	1	56.309	1589.0	4	57.300
1590.0	4	57.312	1629.0	4	57.284	1914.0	1	56.044
2162.5	1	56.203	2516.5	1	56.717	2887.0	1	56.193
3140.5	4	57.340	3157.0	4	57.372	3244.0	4	57.319
3205.0	4	57.352	3213.5	4	57.254	3231.0	1	57.361
3284.5	4	57.360	3309.0	4	57.302	3369.5	1	56.301
3383.0	4	57.356	3367.5	1	56.116	3407.5	1	56.162
3908.5	1	56.201	3911.5	1	56.347	3463.5	1	56.140
3929.0	1	56.209	3944.5	1	56.171	3562.0	1	56.067
4173.5	1	56.064	4917.5	1	56.142			

Figure 35 Copley to Auditorium Data (cont'd)

FROM - COPLEY  
TO - AUDITORIUM

GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	2.52	14	116.0
2	57.25	57.00	5.80	36	267.0
0	57.00	56.25	90.76	37	4175.0
1	56.25	56.00	0.91	15	42.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	97.48
0+1	4	56.00	57.00	91.67
6+3	BELOW STOPPED	56.00	57.75	0.00

Figure 35 Copley to Auditorium Data (cont'd)



FROM - AUDITORIUM  
TO - KENMORE  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
12.0	2	14.0	4	21.0	2	26.0	0	53.0	2		
69.0	4	84.0	2	84.5	0	90.0	2	142.5	4		
151.5	2	153.0	4	153.5	2	154.0	4	158.0	2		
167.5	4	172.5	2	656.5	0	665.5	2	666.5	0		
672.5	1	673.0	2	674.0	0	674.5	2	675.0	0		
678.0	2	679.0	0	679.5	1	683.0	0	687.5	1		
688.0	0	691.0	2	693.0	0	693.5	1	694.5	0		
696.5	1	712.0	0	697.5	2	700.5	0	708.5	1		
709.0	0	712.0	2	713.5	0	714.0	1	715.5	0		
716.0	1	719.0	0	729.5	1	734.5	0	737.0	1		
954.5	0	958.0	1	1302.0	0	1302.5	1	1429.5	0		
1440.0	2	1452.0	4	1460.0	2	1479.0	0	1491.5	2		
1492.5	4	1495.5	2	1506.0	4	1510.5	2	1512.0	0		
1514.0	2	1521.5	0	1522.5	2	1523.0	0	1564.0	2		
1572.5	0	1577.0	2	1580.0	4	1596.0	2	1606.0	4		
1620.5	2	1622.0	4	1629.5	2	1637.0	4	1645.0	2		
1654.0	0	1677.5	2	1686.0	4	1690.0	2	1695.0	0		
1702.0	2	1712.5	4	1719.0	2	1719.5	4	1720.0	2		
1721.5	4	1735.5	2	1738.0	4	1747.0	2	1748.0	0		
1770.5	2	1976.0	0	1980.0	1	1980.5	2	2001.0	0		
2010.5	1	2028.0	0	2059.5	1	2066.0	0	2097.0	1		
2098.0	0	2098.5	2	2098.5	0	2116.5	1	2117.0	0		
2125.0	2	2136.0	0	2131.5	1	2153.0	0	2155.0	1		
2178.5	0	2180.5	1	2205.0	0	2208.5	1	2210.5	0		
2214.0	1	2218.5	0	2225.5	1	2231.0	0	2247.5	1		
2249.5	0	2352.0	1	2257.5	0	2260.0	1	2277.0	0		
2279.5	1	2283.5	0	2291.5	1	2309.5	0	2311.0	1		
2342.0	0	2343.0	1	2344.0	2	2344.5	4	2345.0	6		
2346.0	4	2346.5	5	2355.0	4	2356.0	3	2356.0	1		

Figure 36 Auditorium to Kenmore Data

FROM - AUDITORIUM  
TO - KENMORE  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
2361.0	2	2366.5	0	2375.0	2	2375.0	4	2378.0	2
2382.0	4	2382.5	2	2383.0	0	2383.5	2	2386.5	0
2391.0	2	2443.0	0	2445.0	2	2445.0	1	2446.5	4
2447.0	0	2447.5	1	2448.5	0	2462.5	1	2463.0	2
2463.5	0	2466.5	1	2467.5	4	2468.5	0	2469.0	2
2473.5	0	2479.0	1	2480.0	0	2482.5	1	2483.0	0
2486.0	2	2491.0	0	2495.5	1	2514.0	0	2517.5	2
2521.5	4	2525.0	2	2525.5	0	2526.0	1	2526.5	0
2527.5	4	2528.0	2	2528.5	1	2529.5	2	2534.5	0
2536.5	2	2545.0	4	2546.5	0	2553.5	0	2554.5	0
2557.5	0	2558.0	4	2559.0	6	2559.5	4	2560.0	0
2561.0	2	2562.5	0	2563.5	2	2564.0	0	2565.0	2
2568.0	0	2568.5	1	2569.0	0	2570.0	4	2571.0	0
2571.5	4	2572.5	0	2573.0	2	2573.5	4	2574.5	6
2575.0	4	2576.0	6	2577.0	2	2577.5	4	2578.0	2
2579.0	0	2579.5	4	2580.0	2	2580.5	0	2581.0	2
2596.5	0	2598.0	2	2600.5	2	2601.5	1	2606.0	0
2596.5	1	2597.0	0	2598.5	4	2599.0	0	2599.5	1
2600.5	0	2604.5	1	2607.0	0	2608.5	1	2621.0	0
2628.5	1	2633.5	0	2635.5	1	2638.0	0	2643.5	1
2689.0	0	2692.0	2	3072.0	0	3072.5	2		

Figure 36 Auditorium to Kenmore Data (cont'd)

FROM - AUDITORIUM  
TO - KENMORE  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
14.0	4	57.285	69.0	4	57.346	142.5	4	57.474
153.0	4	57.257	154.0	4	57.250	167.5	4	57.340
672.5	1	56.107	679.5	1	56.239	687.5	1	56.155
693.5	1	56.250	696.5	1	56.237	708.5	1	56.130
714.0	1	56.231	716.0	1	56.245	729.5	1	56.119
737.0	1	56.021	958.0	1	56.013	1302.5	1	56.119
1452.0	4	57.383	1492.5	4	57.273	1506.0	4	57.411
1580.0	4	57.382	1606.0	4	57.358	1623.0	4	57.269
1637.0	4	57.332	1686.0	4	57.480	1712.5	4	57.370
1719.5	4	57.255	1721.5	4	57.257	1738.0	4	57.278
1980.0	1	56.151	2010.5	1	56.085	2058.5	1	56.078
2097.0	1	56.130	2116.5	1	56.076	2131.5	1	56.074
2155.5	1	56.077	2180.5	1	56.077	2308.5	1	56.078
2214.0	1	56.049	2225.5	1	56.078	2247.5	1	56.073
2252.0	1	56.079	2360.0	1	56.078	2375.5	1	56.051
2291.5	1	56.081	2311.0	1	56.077	2343.0	1	56.124
2345.5	6	57.797	2346.5	6	57.773	2356.5	4	57.297
2376.0	4	57.292	2382.0	4	57.569	2446.0	1	56.206
2446.5	4	57.379	2447.5	1	56.220	2462.5	1	56.153
2466.5	1	56.111	2477.5	4	57.540	2479.0	1	56.077
2482.5	1	56.203	2475.5	4	56.077	2521.5	4	57.740
2526.0	1	56.176	2527.5	1	57.745	2528.5	1	56.152
2545.0	4	57.606	2553.0	6	57.961	2568.5	1	56.070
2570.0	4	57.724	2571.5	4	57.287	2574.5	6	56.039
2576.0	6	57.786	2577.5	4	57.271	2579.5	4	56.036
2601.5	1	56.020	2646.5	1	56.136	2648.5	4	57.032
2899.5	1	56.073	2914.5	1	56.040	2901.5	1	56.079
2928.5	1	56.068	2975.5	1	56.031	2945.5	1	56.062

Figure 36 Auditorium to Kenmore Data (cont'd)

FROM - AUDITORIUM TO - KENMORE GAGE					
ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.14	5	4.5
4	57.75	57.25	5.84	38	187.0
2	57.25	57.00	12.08	70	386.5
0	57.00	56.25	75.03	88	2401.0
1	56.25	56.00	6.91	48	221.0
3	56.00	-59.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.86
0+1+2	3	56.00	57.25	94.02
0+1	4	56.00	57.00	81.94
6+3	BELOW STD'D	56.00	57.75	0.14

Figure 36 Auditorium to Kenmore Data (cont'd)



FROM - KENMORE  
TO - FENWAY  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
18.5	0	21.5	1	179.5	0	182.0	1	214.0	0		
217.0	2	232.5	0	233.0	2	234.0	4	234.5	2		
236.0	0	240.5	2	241.0	0	243.5	2	257.0	0		
557.5	6	560.0	4	560.5	0	561.0	1	561.5	0		
562.5	4	563.5	0	564.0	1	566.5	0	579.0	1		
581.5	0	588.5	1	598.5	0	604.0	1	606.0	0		
581.5	0	588.5	1	598.5	0	604.0	1	606.0	0		
2056.0	2	2056.5	0	2067.0	4	2069.0	2	2082.5	2		
2069.0	4	2070.5	2	2094.5	0	2098.0	1	2110.0	0		
2110.5	2	2111.0	4	2111.5	2	2132.5	0	2133.0	1		
2133.5	4	2134.0	6	2135.5	0	2137.0	1	2138.5	0		
2139.0	1	2140.0	0	2140.5	1	2141.0	0	2162.0	1		
2155.5	0	2156.0	2	2164.5	0	2166.0	1	2167.5	0		
2168.5	4	2169.0	2	2172.0	0	2173.5	4	2173.0	2		
2176.0	0	2178.5	2	2181.0	0	2183.0	1	2194.0	0		
2262.0	1	2272.0	2	2274.5	1	2276.0	0	2276.5	1		
2370.5	0	2379.5	2	2383.0	0	2386.5	1	2386.5	0		
2314.5	1	2317.0	0	2327.5	1	2331.5	0	2335.0	1		
2773.0	0	2774.0	0	2777.5	0	2778.5	2	2779.0	0		
2784.0	2	3003.5	0	3004.0	1	3004.5	0	3007.0	1		
3185.0	0	3186.0	2	3194.5	0	3195.0	2	3199.0	0		
3199.5	2	3349.5	0	3350.0	2	3351.5	0	3351.5	2		
3466.0	0	3467.0	2	3527.5	0	3528.0	2	3528.0	2		

Figure 37 Kenmore to Fenway Park Data

FROM - KENMORE  
TO - FENWAY  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
21.5	1	56.108	182.0	1	56.181	234.0	4	57.365
557.5	6	57.390	561.0	1	56.221	562.5	4	57.730
564.0	1	56.106	579.0	1	56.097	584.5	1	57.091
604.0	1	56.096	2068.0	6	56.201	590.0	4	57.205
2098.0	1	56.083	2111.0	4	57.486	2177.0	1	56.106
2134.0	6	57.280	2137.0	1	56.122	2190.0	1	56.187
2140.5	1	56.113	2152.0	1	56.092	2196.0	1	56.124
2168.5	4	57.489	2172.5	4	57.402	2198.0	1	56.142
2262.0	1	56.106	2274.5	1	56.084	2278.5	1	56.096
2305.5	1	56.102	2314.5	1	56.090	2317.5	1	56.101
2366.0	1	56.096	3004.0	1	56.244	3005.0	1	56.191

Figure 37 Kenmore to Fenway Park Data (cont'd)

FROM - KENMORE  
TO - FENWAY  
Gals.

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.05	3	2.0
4	57.75	57.25	0.21	9	8.0
2	57.25	57.00	0.86	25	32.5
0	57.00	56.25	96.20	48	3655.5
1	56.25	56.00	2.68	24	102.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.95
0+1+2	3	56.00	57.25	99.74
0+1	4	56.00	57.00	98.88
6+3	BELOW STUDIED	56.00	57.75	0.00

Figure 37 Kenmore to Fenway Park Data (cont'd)



FROM - FENWAY  
TO - LONGWOOD  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
3.0	0	3.5	2	4.0	4	4.5	2	25.5	0		
26.0	1	26.5	6	37.0	4	28.5	0	38.0	1		
31.5	0	32.0	1	33.0	0	45.0	1	48.5	0		
49.0	2	57.5	0	59.0	1	60.0	0	61.5	4		
64.5	0	65.0	2	65.5	4	68.5	0	71.5	2		
74.0	0	76.0	1	152.0	0	155.0	1	165.0	0		
167.0	1	169.0	0	169.5	1	171.5	0	172.5	2		
173.0	0	173.5	1	175.5	0	178.0	1	178.5	0		
198.0	1	199.5	0	207.5	1	210.0	0	220.5	1		
247.5	0	259.0	1	666.0	0	667.0	2	667.5	0		
671.5	2	675.0	0	677.0	2	896.5	0	897.0	1		
897.5	0	898.0	1	1078.0	0	1078.5	2	1087.5	0		
1088.0	2	1242.0	0	1243.0	2	1359.0	0	1360.0	2		
1415.5	0	1416.0	2	1606.0	0	1606.5	2	2465.0	0		
2460.0	1	2847.5	0	2949.0	1	3019.5	0	3000.0	1		
3197.0	0	3200.5	1	3201.0	0	3202.1	1	3305.5	0		
3304.0	1	3207.0	0	3208.0	1	3208.0	0	3208.5	1		
3349.5	0	3250.5	1	3263.0	0	3274.0	0	3305.5	0		
3390.5	2	3370.5	0	3384.0	2	3372.5	0	3555.5	2		
3564.5	0	3565.5	2	3566.5	0	3567.0	2	3750.0	0		
3753.5	2	3754.5	4	3755.0	2	3757.0	0	3767.0	2		
3802.0	0	3804.0	2	3809.5	0	3810.5	2	3811.5	0		
3811.5	2	3812.0	0	3812.5	2	3833.0	0	3834.5	2		
3834.0	0	3838.0	2	3839.0	0	3839.5	2	3839.5	0		
4135.5	1	4324.5	0	4325.5	2	4325.5	2	4325.5	0		

Figure 38 Fenway Park to Longwood Data

FROM - FENWAY  
TO - LONGWOOD  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
4.0	4	57.548	26.5	6	57.794	30.0	1	56.117
32.0	1	56.163	45.0	1	56.094	59.0	1	56.109
61.5	4	57.498	65.5	4	57.284	76.0	1	56.123
155.0	1	56.107	167.0	1	56.102	169.5	1	56.083
173.5	1	56.142	178.0	1	56.122	198.0	1	56.113
207.5	1	56.093	220.5	1	56.092	259.0	1	56.095
897.0	1	56.232	898.0	1	56.198	2460.0	1	56.244
2849.0	1	56.221	3090.0	1	56.243	3200.5	1	56.109
3202.0	1	56.234	3204.0	1	56.247	3208.0	1	56.227
3237.5	1	56.119	3250.5	1	56.244	3754.5	4	57.315
4135.5	1	56.202						

Figure 38 Fenway Park to Longwood Data (cont'd)

FROM - FENWAY  
TO - LONGWOOD  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURANCES	TOTAL FT.
6	99.00	57.75	0.01	1	0.5
4	57.75	57.25	0.09	5	4.0
2	57.25	57.00	1.41	32	62.0
0	57.00	56.25	96.39	58	4241.0
1	56.25	56.00	2.10	27	92.5
3	56.00	-99.00	0.00	0	0.0

ZONES	IPT CLASS	TIGHT	UIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	99.99
0+1+2	3	56.00	57.25	99.90
0+1	4	56.00	57.00	43.19
6+3	BELOW STNDRD	56.00	57.75	0.01

Figure 38 Fenway Park to Longwood Data (cont'd)





FROM - LONGWOOD  
TO - BROOKLINE VILLAGE  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
48.5	0	50.5	1	53.0	0	55.0	1	290.5	0
291.0	1	398.0	0	401.5	1	402.0	0	403.5	1
404.0	0	405.5	1	408.5	0	409.0	1	437.5	0
439.0	1	450.5	0	451.5	1	470.0	0	474.5	0
487.5	0	481.5	2	572.0	0	584.5	2	744.0	0
756.5	2	765.5	0	766.0	2	767.5	0	768.0	2
951.5	0	954.5	2	955.5	4	958.5	2	958.0	0
962.0	2	1003.5	0	1005.5	2	1035.5	2	1039.0	0
1040.5	0	1041.0	2	1332.0	0	1335.0	1	1546.0	2
1526.5	2	1800.0	0	1802.0	2	2453.5	0	2455.0	0
2736.0	0	2806.0	2	2814.0	0	2822.5	2	2856.0	0
2859.0	2	2926.0	0	2929.0	2	2951.0	0	2964.5	2
2965.5	4	2975.0	2	2986.0	0	2998.5	2	3000.0	4
3004.5	2	3018.5	0	3024.0	2	3031.5	4	3037.0	2
3122.0	0	3123.0	2	3202.5	0	3209.5	2	3477.5	0
3482.5	2	3589.0	0	3601.5	2	3618.0	2	3619.0	0
3816.0	0	3816.5	2	4010.5	0	4013.0	2	4017.0	0
4017.0	2	4090.5	0	4094.0	2	4578.0	0	4577.0	2
4791.5	0	4805.0	2	4875.0	0	4896.0	2	4898.0	4
4906.0	2	4918.5	0	4925.0	2	4934.5	1	4935.5	2
4949.0	0	4951.0	2	4962.0	4	4965.0	0	4970.5	0
5001.5	2	5002.0	4	5002.5	2	5003.5	0	5011.0	2
5016.5	0	5019.5	2	5027.0	0	5032.0	4	5035.5	4
5043.5	2	5003.5	0	5075.0	2	5078.0	1	5103.0	2
5150.0	0	5155.0	2	5156.0	4	5159.5	2	5159.0	4
5178.5	2	5173.0	0	5183.5	2	5184.0	0	5185.0	2

Figure 39 Longwood to Brookline Village Data

FROM - LONGWOOD  
TO - BROOKLINE VILLAGE  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
50.5	1	55.000	55.0	1	56.250	591.0	1	59.500
401.5	1	56.112	401.5	1	56.112	495.0	1	56.000
409.0	1	56.246	439.0	1	56.246	495.0	1	56.246
955.5	4	57.316	1336.0	1	56.246	495.0	4	57.250
3000.0	4	57.355	3781.5	4	57.355	495.0	4	57.355
4930.5	4	57.354	4930.5	4	57.354	500.0	4	57.354
5003.5	4	57.376	5003.5	4	57.376	500.0	4	57.376
5156.0	4	57.355	5156.0	4	57.355	500.0	4	57.355

Figure 39 Longwood to Brookline Village Data (cont'd)

FROM - LONGWOOD  
TO - BROOKLINE VILLAGE  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	1.08	13	56.0
2	57.25	57.00	5.89	55	306.5
0	57.00	56.25	92.68	53	4812.5
1	56.25	56.00	0.35	10	18.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	98.92
0+1	4	56.00	57.00	98.00
6+3	BELOW STOPPI	56.00	57.75	11.00

Figure 39 Longwood to Brookline Village Data (cont'd)



FROM - BROOKLINE VILLAGE  
TO - BROOKLINE HILLS  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
79.5	0	81.5	2	82.0	0	91.5	2	109.0	0
114.5	2	501.0	0	503.5	2	505.5	2	507.5	0
581.0	0	584.5	2	886.5	0	867.0	0	1282.0	0
1293.0	2	1283.5	0	1295.0	2	1366.5	0	1370.5	2
1385.0	4	1386.5	2	1408.0	0	1415.5	3	1420.5	4
1427.0	0	1439.0	0	1482.0	2	1452.0	4	1455.5	2
1483.0	0	1492.0	2	1492.5	4	1493.0	2	1493.5	4
1501.5	2	1506.5	0	1508.0	2	1508.5	0	1508.5	2
1517.5	0	1522.5	2	1523.0	4	1533.5	2	1557.5	0
1565.5	2	1567.0	4	1584.5	2	1640.5	0	1600.5	2
1689.5	0	1674.0	2	1675.5	0	1677.5	2	1684.5	0
1690.5	2	1691.0	4	1702.0	2	1752.0	0	1757.0	2
1796.0	0	1797.0	2	1803.0	0	1843.0	0	1811.0	4
1814.0	2	1814.5	4	1833.0	2	1889.5	0	1874.0	2
1967.0	0	1868.0	1	2203.0	0	2208.5	2	2300.0	0
2332.0	2	2348.0	0	2343.0	2	2345.5	0	2396.5	2
3045.0	0	3048.0	2	3074.5	0	2990.5	2	3091.0	0
3121.5	2	3124.0	0	3125.0	3	3126.0	0	3137.0	2
3138.0	0	3139.0	2	3133.0	0	3145.0	3	3146.0	4
3182.0	2	3239.5	0	3240.0	3	3245.5	4	3255.0	2
3276.0	0	3281.5	2	3295.0	4	3323.0	2	3325.5	4
3331.0	2								

Figure 40 Brookline Village to Brookline Hills Data

FROM - BROOKLINE VILLAGE  
TO - BROOKLINE HILLS  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
1385.0	4	57.475	1420.5	4	57.277	1453.0	4	57.497
1432.5	4	57.251	1493.5	4	57.278	1530.0	4	57.355
1567.0	4	57.275	1691.0	4	57.267	1911.0	4	57.261
1814.5	4	57.252	1958.0	1	56.245	2100.5	4	57.279
3248.5	4	57.420	3295.5	4	57.518	3300.5	4	57.310

Figure 40 Brookline Village to Brookline Hills Data (cont'd)

FROM - BROOKLINE VILLAGE  
TO - BROOKLINE HILLS  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCUPANCIES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	1.88	14	64.0
2	57.25	57.00	9.62	52	369.5
0	57.00	56.25	88.67	39	3369.5
1	56.25	56.00	0.00	1	1.0
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	98.32
0+1	4	56.00	57.00	98.70
6+3	BELOW STAND	56.00	57.75	0.00

Figure 40 Brookline Village to Brookline Hills Data (cont'd)





FROM - BROOKLINE HILLS  
TO - BEACONSFIELD  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
88.0	0	91.0	2	115.5	0	125.0	2	128.5	4		
129.5	2	130.5	4	176.0	2	178.0	0	186.0	2		
191.0	4	229.5	2	248.5	0	250.0	2	255.0	0		
257.0	2	257.5	0	265.5	2	267.5	0	270.5	2		
272.5	0	273.5	0	281.5	0	285.5	2	292.0	4		
296.0	2	306.0	0	303.0	2	318.0	0	323.0	2		
351.0	4	364.5	2	369.5	4	375.0	2	376.5	0		
381.5	2	1533.0	0	1524.0	1	1955.0	2	1956.5	2		
2015.0	0	2821.5	2	2833.0	4	2838.5	2	2848.5	4		
2049.0	2	2955.5	4	2957.5	2	2967.5	0	2968.0	2		
2097.0	0	2101.5	2	2113.0	0	2120.0	2	2130.5	0		
2122.5	2	2123.0	0	2124.0	2	2135.0	0	2135.0	2		
2156.5	0	2157.0	2	2157.5	0	2160.0	2	2167.5	4		
2182.5	2	2219.0	0	2222.0	2	2234.0	0	2288.5	2		
2289.5	4	2390.0	0	2395.0	4	2395.5	0	2398.0	0		
2322.0	2	2348.0	2	2361.5	2	2313.5	2	2321.0	0		
2477.5	0	2494.0	2	2505.5	0	2516.5	2	2520.0	0		
2707.0	2	2711.5	4	2718.0	2	2823.0	0	2822.5	2		
2823.0	0	2844.5	2	2846.0	4	2875.5	0	2877.5	2		
2861.5	2	2954.0	0	2956.5	2	3018.5	0	3107.5	2		
3161.0	0	3161.5	2	3167.0	4	3168.0	2	3177.5	0		
3296.5	2	3322.5	0	3322.0	2	3350.0	0	3351.5	2		
3400.5	0	3416.0	2	3420.0	4	3450.0	0	3451.5	2		
3466.5	2	3467.5	0	3471.0	4	3473.0	2	3475.0	0		
3516.5	0	3520.5	2	3520.0	4	3533.0	2	3537.5	2		
3566.5	2	3584.0	0	3587.0	4	3514.0	0	3515.0	2		
3725.0	0	3735.0	2	3737.0	0	3739.5	2	3745.0	0		
3741.5	2	3806.0	0	3810.0	2	3878.0	2	3881.0	0		
3839.0	0	3802.5	2	3817.5	4	3815.0	2	3818.0	4		

Figure 41 Brookline Hills to Beaconsfield Data

SPOM - BROOKLINE HILLS M - BEACONSFIELD GAUGE					
FEET	ZONE	FEET	ZONE	FEET	ZONE
5020.0	2	5020.0	1	5020.0	1
5183.0	0	5183.0	0	5183.0	0
5342.0	2	5342.0	1	5342.0	1

Figure 41 Brookline Hills to Beaconsfield Data (cont'd)

FROM - BROOKLINE HILLS  
TO - BEAconsfield  
GAP.

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
128.5	4	57.298	130.5	4	57.275	191.0	4	57.323
252.0	4	57.482	351.0	4	57.600	369.5	4	57.394
1524.0	1	56.229	2032.0	4	57.259	2048.5	4	57.713
2055.5	4	57.489	2167.5	4	57.280	2289.5	4	57.276
2305.0	4	57.431	2711.5	4	57.269	2845.5	4	57.264
4525.0	4	57.291	5037.0	4	57.252			

Figure 41 Brookline Hills to Beaconsfield Data (cont'd)

FROM - BROOKLINE HILLS  
TO - BEACONSFIELD  
50.0'

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	59.00	57.75	0.00	0	0.0
4	57.75	57.05	1.94	16	102.5
2	57.25	57.00	0.95	70	552.0
0	57.00	56.25	88.10	63	4858.5
1	56.25	56.00	0.02	1	1.0
3	56.00	55.00	0.00	0	0.0

ZONES	1ST CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	94.00
0+1	4	56.00	57.00	84.10
3+3	BELOW STRIP	56.00	55.00	0.00

Figure 41 Brookline Hills to Beaconsfield Data (cont'd)

FROM - BEACONSFIELD  
TO - RESERVOIR  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
7.5	0	9.5	2	10.0	0	10.5	2	12.0	0
18.0	2	49.5	0	50.5	2	51.5	0	55.5	2
86.0	0	86.5	2	89.0	0	107.0	0	125.0	0
139.0	2	163.0	0	171.5	0	202.0	0	203.0	2
241.0	0	350.0	2	381.7	0	385.0	2	451.5	0
459.0	2	534.5	0	577.0	2	587.5	0	617.5	2
759.0	0	780.0	2	811.0	0	834.0	2	1373.5	0
1374.0	2	1576.5	0	163.5	2	1347.5	0	1398.5	2
1448.5	0	1449.5	2	148.5	0	1472.5	2	1529.0	0
1532.0	2	1782.5	0	1727.5	2	1738.5	0	2519.0	2
2359.5	0	2500.0	2	2533.5	0	2564.0	2	2704.0	0
2389.5	2	2410.0	0	2410.5	2	2417.5	0	2417.5	2
2416.5	0	2426.5	2	2426.0	0	2432.5	2	2777.5	0
2777.5	2	2783.5	0	2783.0	2	2783.5	0	2783.5	2
2801.5	0	2803.0	1	2807.5	2	2803.5	0	2803.5	2

Figure 42 Beaconsfield to Reservoir Data

PAGE 0 1

FROM - BEACONSFIELD TO - RESERVOIR GAGE			
FEET	ZONE	INCHES	INCHES
2792.5	4	57.289	
2803.0	1	56.183	

Figure 42 Beaconsfield to Reservoir Data (cont'd)

FROM - BEACONSFIELD  
TO - RESERVOIR  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.05	1	1.5
2	57.25	57.00	5.25	36	157.5
0	57.00	56.25	94.65	36	2839.5
1	56.25	56.00	0.05	1	1.5
3	56.00	-99.00	0.00	0	0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	99.95
0+1	4	56.00	57.00	94.70
6+3	BELOW STUDY	56.00	57.75	1.00

Figure 42 Beaconsfield to Reservoir Data (cont'd)





FROM - RESERVOIR  
TO - CHESTNUT HILL  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
31.5	0	32.0	2	72.5	0	73.0	2	102.0	0		
102.5	2	133.0	0	123.5	2	135.5	0	126.5	2		
130.0	0	139.0	2	469.0	0	475.0	0	490.0	0		
490.5	2	504.5	0	504.5	2	505.5	4	512.0	2		
514.0	0	516.0	1	521.0	0	523.0	2	541.0	0		
849.5	2	921.0	0	928.5	2	938.5	0	939.5	2		
968.0	0	972.0	2	1513.5	0	1514.0	1	1816.0	0		
1817.0	2	3321.0	0	3321.5	2	3322.0	0	3323.0	2		
3526.0	0	3532.0	2	4349.5	0	4350.5	1	4489.0	0		
4490.0	2	4492.5	0	4493.5	2	4515.0	0	4516.0	2		
4517.5	0	4518.0	2	4518.5	0	4519.5	2	4965.0	0		
4970.5	2	4976.0	4	4980.5	2	4983.0	0	4987.0	2		
5003.5	0	5008.5	2	5018.0	4	5035.0	2	5031.0	0		
5038.5	2	5042.0	4	5045.5	2	5060.5	0	5073.5	2		
5079.5	1	5087.5	2	5088.5	0	5101.5	2	5102.0	0		
5102.5	2	5138.0	0	5128.5	2	5148.5	0	5153.0	2		
5174.5	0	5177.5	2	5195.0	0	5200.5	2	5203.0	4		
5210.0	2	5221.5	0	5225.0	2	5229.5	4	5231.0	2		
5235.0	4	5241.5	2	5253.0	0	5257.0	2	5267.0	4		
5275.5	2	5281.0	0	5313.5	2	5319.0	0	5320.0	2		
5343.5	0	5356.0	2	5359.0	0	5360.0	2	5361.0	0		
5417.0	2	5417.5	0	5421.0	2	5463.0	2	5463.0	4		
5479.0	4	5489.5	2	5517.0	2	5522.0	0	5523.0	2		
5533.0	2	5534.0	4	5545.0	2	5546.0	0	5546.0	2		
5580.5	0	5583.5	2	5663.0	2	5672.0	0	5672.0	0		
5698.0	2	5699.0	4	5704.0	2	5706.0	2	5706.0	0		
5745.0	0	5750.0	4	5753.0	4	5773.0	2	5773.0	0		
5806.0	2	5807.5	4	5839.0	2	5875.0	0	5875.0	2		
5864.5	0	5885.5	2	5887.0	0	5902.0	2	5902.0	0		

Figure 43 Reservoir to Chestnut Hill Data

6001 - RESERVOIR TO - CHESTNUT HILL GAGE						PAGE 43					
FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
5988.5	2	6023.5	0	6036.5	2	6071.5	0	6071.5	2	6071.5	2
6046.0	4	6049.0	2	6052.5	0	6087.5	2	6087.5	0	6087.5	0
6089.5	2	6093.5	4	6098.5	2	6133.5	0	6133.5	2	6133.5	2
6152.0	0	6157.0	2								

Figure 43 Reservoir to Chestnut Hill Data (cont'd)

FROM - RESERVOIR  
 TO - CHESTNUT HILL  
 GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
505.5	4	57.380	715.0	1	56.170	511.0	1	57.17
4850.5	1	56.220	477.0	4	56.270	513.0	1	57.170
5042.0	4	57.295	507.5	4	57.360	5203.0	1	57.170
5229.5	4	57.295	507.0	4	57.210	5267.5	1	57.170
5479.0	4	57.468	5130.5	4	57.310	5331.0	1	57.170
5694.0	4	57.460	5758.0	4	57.270	5371.5	1	57.170
5046.0	4	57.346	6093.5	4	57.270			

Figure 43 Reservoir to Chestnut Hill Data (cont'd)

FROM - RESERVOIR  
TO - CHESTNUT HILL  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	1.48	17	97.0
2	57.25	57.00	6.44	78	390.5
0	57.00	56.25	92.02	64	5706.0
1	56.25	56.00	0.06	3	15.0
3	56.00	55.00	0.00	0	0.0

ZONES	1PT CURS.	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.75	99.92
0+1	4	56.00	57.00	99.87
6+3	BELOW STIPPLE	56.00	57.75	0.00

Figure 43 Reservoir to Chestnut Hill Data (cont'd)

FROM - CHESTNUT HILL  
TO - NEWTON CENTER  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1.5	0	9.0	2	12.0	4	15.5	2	40.0	0		
43.5	2	50.0	4	57.5	2	69.0	0	71.5	2		
119.0	0	123.0	2	145.0	0	147.5	0	165.5	0		
180.0	0	192.0	0	195.5	2	199.5	4	201.5	2		
205.5	4	211.5	2	224.0	0	227.5	2	237.5	4		
245.5	2	272.5	0	288.0	2	289.5	0	292.5	2		
314.0	0	328.0	2	329.5	0	330.0	2	370.0	0		
387.0	2	388.0	0	391.5	2	433.5	0	436.0	2		
449.0	4	460.0	2	487.5	0	492.5	2	500.5	4		
516.5	0	517.0	0	525.0	2	551.0	0	563.5	2		
639.0	0	642.0	2	643.0	0	658.0	2	664.0	4		
674.5	2	677.0	0	680.5	2	715.5	0	720.5	2		
722.5	4	723.5	2	728.0	4	743.5	2	772.5	0		
776.0	2	778.0	4	780.0	2	845.5	0	854.5	2		
895.0	0	855.5	2	871.0	0	872.5	2	948.0	0		
959.0	2	994.0	0	1006.5	2	1007.5	0	1011.0	2		
1016.0	4	1019.0	0	1033.0	0	1038.0	0	1057.0	0		
1060.0	2	1064.0	4	1079.0	0	1091.0	2	1102.0	0		
1122.0	0	1127.0	2	1156.0	0	1244.5	2	1537.0	0		
1537.5	2	1570.5	0	1570.5	2	1601.0	0	1606.0	2		
1610.0	0	1611.0	2	1620.0	0	1648.5	2	1730.5	2		
1722.0	2	1723.0	0	1730.0	0	1833.5	2	1930.0	0		
1836.5	0	1837.0	2	2034.0	0	2025.5	2	2094.0	2		
3091.5	2	3093.5	0	3200.0	4	4218.0	0	4319.0	2		
4517.0	0	4513.0	2	4515.0	0	4520.2	2	4747.0	0		
4744.0	1	5533.5	0	5540.0	2	6542.0	0	6547.0	2		
6544.0	0	6544.5	2	6570.0	0	6576.5	2	6576.0	0		
6579.0	2	6643.0	0	6643.0	0	6573.0	0	6607.0	2		
6675.0	0	6675.0	2	6751.5	0	6752.0	2	6757.0	0		

Figure 44 Chestnut Hill to Newton Center Data

FROM - CHESTNUT HILL  
TO - NEWTON CENTER  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
6759.5	0	7071.0	0	7382.0	0	7693.0	0	8004.0	0
7073.5	0	7384.0	0	7695.0	0	8006.0	0	8317.0	0
7081.5	0	7392.0	0	7703.0	0	8014.0	0	8325.0	0
7672.0	1	7913.0	0	8224.0	0	8535.0	0	8846.0	0
7877.5	2	8124.0	0	8435.0	0	8746.0	0	9057.0	0
8218.0	2	8546.0	0	8857.0	0	9168.0	0	9479.0	0
8343.5	2	8672.0	0	8983.0	0	9294.0	0	9605.0	0
8759.5	1	9099.0	0	9415.0	0	9726.0	0	10037.0	0
8795.0	2	9135.0	0	9451.0	0	9762.0	0	10073.0	0

Figure 44 Chestnut Hill to Newton Center Data (cont'd)

FROM - CHESTNUT HILL  
TO - NEWTON CENTER  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
12.0	4	57.287	50.0	4	57.303	199.5	4	57.281
205.5	4	57.289	237.5	4	57.474	449.0	4	57.459
500.5	4	57.386	634.0	4	57.454	772.0	4	57.255
728.0	4	57.273	778.0	4	57.335	1016.0	4	57.345
1064.0	4	57.396	3995.0	1	56.084	4744.0	1	56.246

Figure 44 Chestnut Hill to Newton Center Data (cont'd)

FROM - CHESTNUT HILL TO - NEWTON CENTER GAGE					
ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.00	13	72.0
2	57.25	57.00	5.01	92	451.0
0	57.00	56.25	94.17	81	8475.0
1	56.25	56.00	0.02	2	2.0
3	56.00	55.75	1.00	0	0.0
ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL	
0+1+2+4	1+2	56.00	57.75	100.00	
0+1+2	3	56.00	57.25	99.20	
0+1	4	56.00	57.00	0.80	
6+3	BELOW STATION	56.00	57.75	0.00	

Figure 44 Chestnut Hill to Newton Center Data (cont'd)



FROM - NEWTON CENTER  
TO - NEWTON HIGHLANDS  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
47.0	0	49.0	2	485.5	0	487.0	2	809.0	0
805.5	2	806.5	0	807.0	2	807.5	0	808.0	2
884.0	0	890.5	2	1007.0	0	1007.5	2	1015.5	0
1019.0	2	1039.0	2	1040.5	2	1208.0	0	1213.0	2
1435.5	0	1438.5	2	1439.0	0	1440.0	2	1454.0	0
1468.5	2	1471.0	4	1475.0	2	1502.0	0	1603.0	2
1668.5	0	1669.5	2	1671.0	0	1672.0	2	1672.5	0
1673.5	2	1698.0	0	1700.0	2	1701.5	0	1702.5	2
1842.0	0	1842.5	2	1915.0	0	1915.5	2	1916.5	0
1926.5	2	2193.5	0	2199.0	2	2200.0	0	2211.0	2
2344.5	0	2353.5	2	2377.0	0	2378.0	2	2378.5	0
2380.5	2	2410.0	0	2411.5	2	2412.0	0	2413.0	2
2444.0	0	2445.0	2	2445.0	0	2445.0	2	2445.0	0
2551.0	2	2570.5	0	2575.0	2	2575.5	0	2576.0	2
2504.5	0	2612.5	2	2642.5	0	2643.0	2	2643.5	0
3523.5	2	3626.5	0	3635.0	2	3635.5	0	3636.0	2
3903.5	0	3908.5	2	3935.0	0	3935.5	2	3936.0	0
3940.5	2	3992.5	0	4000.5	1	4001.0	2	4001.5	0

Figure 45 Newton Center to Newton Highlands Data

TO - NEWTON HIGHLANDS

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
1471.0	1	57.304	3997.5	1	56.201

Figure 45 Newton Center to Newton Highlands Data (cont'd)

FROM - NEWTON CENTER  
TO - NEWTON HIGHLANDS

5000'

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.06	1	8.6
2	57.25	57.00	2.19	44	118.5
0	57.00	56.25	97.66	43	5273.5
1	56.25	56.00	0.04	1	8.6
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	99.94
0+1	4	56.00	57.00	97.75
6+3	BELOW STAND	56.00	57.75	0.00

Figure 45 Newton Center to Newton Highlands Data (cont'd)



FROM - NEWTON HIGHLANDS  
TO - ELIOT  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
651.5	0	652.0	1	1328.0	0	1331.0	1	1922.5	0
1923.5	1	2293.0	0	2312.0	2	2430.0	0	2435.5	2
2436.5	0	2439.0	2	2461.5	0	2465.0	2	2474.5	0
2548.5	2	2557.0	0	2569.0	2	2594.0	0	2614.0	2
2623.5	0	2635.0	2	2655.0	0	2679.0	2	2694.0	0
2698.0	2	2719.5	0	2735.0	2	2729.0	4	2744.0	2
2758.0	0	2761.0	2	2783.0	0	2797.0	2	2812.0	2
2812.5	2	2831.0	0	2845.0	2	2853.0	0	2868.0	2
2857.5	0	2861.0	2	2893.0	0	2901.0	2	2916.0	0
2941.5	2	2990.0	0	2993.0	2	3020.0	0	3035.0	2
3026.5	4	3031.5	2	3157.0	0	3173.0	2	3188.0	0
3296.0	2	3352.0	0	3503.0	2	3556.0	0	3571.0	2
3585.0	0	3589.5	2	3623.0	0	3635.0	2	3650.0	0
3950.0	2	3950.5	4	3951.0	2	3955.0	4	3960.0	2
4055.0	0	4055.0	2						

Figure 46 Newton Highlands to Eliot Data

FROM - NEWTON HIGHLANDS  
TO - ELIOT  
5-5-5

FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE
650.0	1	50.000	170.0	1	60.00	1300.0	1	50.00
2700.0	1	50.000	50.000	1	60.00	3000.0	1	50.00
3900.0	1	50.000						

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Figure 46 Newton Highlands to Eliot Data (cont'd)

FROM - NEWTON HIGHLANDS  
TO - ELIOT  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	0.00	0	0.0
4	57.75	57.25	0.17	4	10.0
2	57.25	57.00	4.05	33	235.0
0	57.00	56.25	95.70	32	5550.5
1	56.25	56.00	0.08	3	4.5
3	56.00	-99.00	0.00	0	0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	94.83
0+1	4	56.00	57.00	95.78
6+3	BELOW STANDARD	56.00	57.75	0.00

Figure 46 Newton Highlands to Eliot Data (cont'd)





FROM - ELIOT  
TO - (NBEH)  
Gage

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
1439.5	0	1440.5	1	1547.5	0	1587.0	1	1785.0	0
3798.0	1	4546.0	0	4546.0	0	4751.0	1	4751.0	0
4607.5	0	4608.0	2	4608.0	0	4608.5	0	4608.0	0
4623.0	2	4653.0	0	4653.0	2	4653.0	0	4653.0	2
4983.0	0	4984.0	2	5000.0	0	5000.5	1		

Figure 47 Eliot to Waban Data

PAGE 01

FROM - ELIOT  
TO - WABAN  
DATE

FEET	ZONE	MAX MAGNITUDE	FEET	CON	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
1440.5	1	56.246	1511.0	1	56.247	2240.0	1	56.247
4350.0	4	57.179	6317.0	1	56.247			

Figure 47 Eliot to Waban Data (cont'd)

FROM - ELIOT  
TO - WABAN  
GAGE

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURANCES	TOTAL FT.
6	59.00	57.75	0.00	0	0.0
4	57.75	57.25	0.02	1	1.0
2	57.25	57.00	0.49	8	26.9
0	57.00	56.25	99.43	11	5369.0
1	56.25	56.00	0.06	4	3.5
3	56.00	55.00	0.00	1	1.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	99.98
0+1	4	56.00	57.00	99.49
6+3	BELOW STUDY	56.00	57.75	0.51

Figure 47 Eliot to Waban Data (cont'd)



FROM - WABAN  
TO - WOODLAND  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
2.0	0	5.0	2	3.5	0	207.5	0
264.5	2	284.5	0	301.5	0	284.5	2
638.5	0	640.0	2	640.0	0	640.0	0
695.5	1	1140.0	0	1140.0	1	1140.0	2
2153.0	0	2154.0	1	2157.0	0	2157.0	0
3234.0	1	3235.0	0	3237.0	0	3237.0	1
4204.5	0	4205.0	1	4205.0	2	4205.0	0
4453.0	4	5187.0	0	5187.0	1	5187.0	2

Figure 48 Waban to Woodland Data

FROM - WABAN  
TO - WOODLAND  
GAGE

FEET	ZONE	MAX MAGNITUDE	FEET	ZONE	MAX MAGNITUDE
5.5	4	56.240	56.5	1	56.240
1146.0	1	56.198	510.5	1	56.198
3234.0	1	56.244	323.5	1	56.244
4205.0	1	56.238	410.5	1	56.238

Figure 48 Waban to Woodland Data (cont'd)

ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	FROM - WABAN TO - WOODLAND GAGE		TOTAL FT.
				NO. OCCURRENCES		
6	99.00	57.75	0.00	0		0.0
4	57.75	57.25	0.02	2		1.0
2	57.25	57.00	0.56	9		31.5
0	57.00	56.25	99.01	19		5544.5
1	56.25	56.00	0.41	10		23.0
3	56.00	-59.00	0.60	0		0.0

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	100.00
0+1+2	3	56.00	57.25	99.98
0+1	4	56.00	57.00	99.42
6+3	BELOW STANDARD	56.00	57.75	0.00

Figure 48 Waban to Woodland Data (cont'd)





FROM - WOODLAND  
TO - RIVERSIDE  
GAGE

FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE	FEET	ZONE
94.0	0	97.5	2	104.5	0	104.5	2	294.5	0
300.5	1	301.0	0	730.0	1	730.0	0	730.5	1
732.0	0	733.5	1	734.5	0	734.5	1	824.0	0
827.0	1	860.0	0	878.5	2	863.0	0	967.5	1
1380.0	0	1380.5	1	1380.5	0	1606.0	1	1606.5	0
2032.0	2	3200.0	0	3352.5	1	3352.5	0	3354.0	1
3356.5	0	3356.5	1	3653.0	0	3653.0	2	3654.5	1
3655.0	6	3655.0	2	3656.0	1	3656.0	3	3657.0	0
3657.5	2	3658.0	4	3659.0	6	3659.0	2	3660.0	4

Figure 49 Woodland to Riverside Data

FROM - WOODLAND  
TO - RIVERSIDE  
GAGE

FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE	FEET	ZONE	MAX. MAGNITUDE
300.5	1	56.243	301.5	1	56.249	733.5	1	56.246
733.5	1	56.249	734.5	1	56.244	1605.0	1	56.248
963.5	1	56.241	1700.0	1	56.241	1605.0	1	56.248
3200.0	1	56.241	3353.0	1	56.249	1605.0	1	56.248
3650.0	3	56.241	3353.0	5	56.249	1605.0	1	56.248
3650.0	6	56.241						56.248

Figure 49 Woodland to Riverside Data (cont'd)

FROM - WOODLAND TO - RIVERSIDE GAGE					
ZONE	UPPER LIMIT	LOWER LIMIT	% OF TOTAL	NO. OCCURRENCES	TOTAL FT.
6	99.00	57.75	6.12	3	269.5
4	57.75	57.25	10.75	2	473.0
2	57.25	57.00	8.19	7	8.5
0	57.00	56.25	82.59	18	3634.0
1	56.25	56.00	0.28	14	12.5
3	56.00	-99.00	0.06	1	2.5

ZONES	IRT CLASS	TIGHT	WIDE	% OF TOTAL
0+1+2+4	1+2	56.00	57.75	93.82
0+1+2	3	56.00	57.25	83.07
0+1	4	56.00	57.00	82.87
6+3	BELOW STDND	56.00	57.75	6.18

Figure 49 Woodland to Riverside Data (cont'd)



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